

Sapthagiri College of Engi ering (Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delh #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057 Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2018-19)

1.3.2.1: Number of courses that include experiential learning through project work/field work/internship/mini project

YEAR	COURSE NAME	COURSE CODE	PROJECT	FIELD	INTERNSHIP	MINI
		-	WORK	WORK		PROJECT
	ENGINEERING MATHEMATICS-I	15MAT11	✓		✓	
	ENGINEERING PHYSICS	15PHY12/15PHY22				
	ENGINEERING CHEMISTRY	15CHE12/ 15CHE 22	1		✓	
	ELEMENTS OF CIVIL ENGINEERING AND	15CIV13/15CIV23				
	MECHANICS		κ.			
	PROGRAMMING IN C AND DATA STRUCTURES	15PCD13/23				
	ELEMENTS OF MECHANICAL ENGINEERING	15EME14/15EME24	(5)			ž,
. ST	COMPUTER AIDED ENGINEERING DRAWING	15CED14/15CED24				
1 ST	BASIC ELECTRICAL ENGINEERING	15ELE15/15ELE25	✓			
YEAR	BASIC ELECTRONICS	15ELN15 / 15ELN25 I	1			
	WORKSHOP PRACTICE	15WSL16/15WSL26				
	COMPUTER PROGRAMMING LABORATORY	15CPL 16 / 15CPL26				
	ENGINEERING PHYSICS LAB	15PHYL17 / 15PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	15CHEL17/15CHEL27!				*
	ENVIRONMENTAL STUDIES	15CIV18/15CIV28	✓		1	
	CONSTITUTION OF INDIA, PROFESSIONAL	15CPH18/15CPH28				
	ETHICS & HUMAN RIGHTS					
	ENGINEERING MATHEMATICS-II	15MAT21				
	ENGINEERING MATHMATICS III	15BT31				
	UNIT OPERATIONS	15BT32			✓	
2 ND	BIOCHEMISTRY	15BT33	✓		✓	
YEAR	MICROBIOLOGY	15BT34	✓		✓	
	CELL BIOLOGY AND GENETICS	15BT35	✓		✓	
	BASICS COMPUTER APPLICATION	15BT36				
	UNIT OPERATION LABORATORT	15BTL37	✓		1	1000



Sapthagiri College of Engir 3ring
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057 Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2018-19)

	MICROBIOLOGY LABORATORY	15BTL38	✓ :		✓		
	BIOSTASTICS AND BIOMODELING	15BT41	✓	*	✓		4
	BIOCHEMICAL THERMODYNAMICS	15BT42					
	MOLECULAR BIOLOGY	15BT43	✓		✓		
	BIOPROCESS PRINCIPLES AND CALUCULATIONS	15BT44					
	STRUCTURAL BIOLOGY	15BT45					
	CLINICAL BIOCHEMISTRY	15BT46	✓		✓		
	CELL AND MOLECULAR BIOLOGY	15BTL47	✓		✓		
	CLINICAL BIOCHEMISTRY	15BTL48	✓		✓		
	BIOKINETICS AND BIOREACTION ENGINEERING	15BT51	✓		✓		
	GENETIC ENGINEERING AND APPLICATION	15BT52	✓		✓		
	IMMUNOTECHNOLOGY	15BT53	• 🗸		✓	•	à
3 RD	BIOINFORMATICS	15BT54	✓				
YEAR	ANIMAL BIOTECHNOLOGY	15BT553	✓		✓		
	BIOTECHNOLOGY FOR SUSTAINABLE	15BT563	✓		✓		-
	GENETIC ENGINEERING AND	15BTL57	√		✓)
	IMMUNOTECHNOLOGY LABOROTORY	1361137					
	BIOINFORMATIC LABOROTORY	15BTL58	1		✓		
	BIOBUSINESS AND ENTERPRENEURSHIP	15BT61					
	BIOPROCESS CONTROL AND AUTOMATION	15BT62	✓		✓		
	ENZYME TECHNOLOGY AND	15BT63	~		✓		
	BIOPROCESS EQUIPMENT AND DESIGN AND	15BT64					
	CELL CULTURE TECHNIQUES	15BT653	1		✓		
	NANOBIOTECHNOLOGY	15BT662	√		✓		
	BIOPROCESS CONTROL AND AUTOMATION	15BTL67	1		✓		
	BIOKINETICS AND ENZYMETECHNOLOGY	15BTL68	1		1		
4 TH	FERMENTATION TECHNOLOGY	15BT71	✓		✓		



Sapthagiri College of Engir oring (Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057 Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2018-19)

YEAR	GENOMICS AND PROTEOMICS	15BT72	· 🗸	✓	8
	PLANT BIOTECHNOLOGY	15BT73	√		
	LAB TO INDUSTRIAL SCALING	15BT743	✓	1	
	FORENSIC SCIENCES	15BT752		9	
	FERMENTATION TECHNOLOGY LABORATORY	15BTL76	✓	1	
	PLANT BIOTECHNOLOGY LABORATORY	15BTL77	✓	1	
	PROJECT PHASE 1+SEMINAR	15BT78	✓ .		
	CLINICAL PHARMACEUTICAL BIOTECHNOLOGY	15BT81	✓	✓	
	REGULATORY AFFAIRS IN BIOTECHNOLOGY	15BT82	150	1	
	ENVIRONMENTAL BIOTECHNOLOGY	15BT833	✓	✓	
	PROJECT	15BT85	✓	✓ .	
	SEMINAR	15BT86	✓	✓	<u>.</u>

ADEMIC COMMITTEE CONVENER

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057

Head Ohe Department Dept. of Bio - Technology Sapthagiri College of Engineering No. 57/1, Chikkasandra Hesaraghatta Main Road Bangalore -57



Sapthagiri College of Engil ering
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057 Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2017-18)

1.3.2.1: Number of courses that include experiential learning through project work/field work/internship/mini project

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11			₩.	
	ENGINEERING PHYSICS	10PHY12/10PHY22				
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22	✓			
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	10CIV13/10CIV23				
¥	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23		20		
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24				
1 ST	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				
YEAR	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25				
TEAN	BASIC ELECTRONICS	10ELN15 / 10ELN25				
	WORKSHOP PRACTICE	10WSL16/ 10WSL26				
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26				
	LABORATORY EXPERIMENTS IN ENGINEERING	10PHYL17/10PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL	10CIP18/10CIP28				
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28				
	ENGINEERING MATHEMATICS – II	10MAT21				
	ENGINEERING MATHEMATICS – III	10BT31				
2 ND	INTRODUCTION TO UNIT OPERATIONS	10BT32				
YEAR	HUMAN PHYSIOLOGY	10BT33				
	BIOCHEMISTRY	10BT34	✓			
	MICROBIOLOGY	10BT35	✓			



Sapthagiri College of Eng vering
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057 Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2017-18)

×	CELL BIOLOGY AND GENETICS	10BT36	· ·		
	BIOCHEMISTRY LABORATORY	10BTL37	✓		
	UNIT OPERATIONS LABORATORY	10BTL38	. 🗸		•
	BIOSTATISTICS AND BIOMODELLING	10BT41	✓		
	BIOCHEMICAL THERMODYNAMICS	10BT42	✓		
	STRUCTURAL BIOLOGY	10BT43			
	MOLECULAR BIOLOGY	10BT44	✓		
	BASIC OF COMPUTER APPLICATION	10BT45			
	BIOPROCESS PRINCIPLES AND CALCULATIONS	10BT46			
	CELL AND MOLECULAR BIOLOGY LAB .	10BTL47	/		
	MICROBIOLOGY LAB	10BTL48	✓		
	MANAGEMENT AND ENTERORENEURSHIP	10AL51			
	BIOKINETICS AND BIOREACTION ENGINEERING	10BT52	✓		
DD.	BIOINSTRUMENTATION AND BIOSENSOR	10BT53	✓		
3 RD	IMMUNOTECHNOLOGY	10BT54	1		
YEAR	GENETIC ENGINEERING AND APPLICATION	10BT55	1		
	BIOINFORMATICS	10BT56			
	GENETIC ENGINEERING AND IMMUNOTECHNOLOGY LABORATORY	10BTL57	✓		
	BIOOINFORMATICS LABORATORY	10BTL58	✓		
	BIOPROCESS CONTROL AND AUTOMATION	10BT61	✓		
	CLINICAL AND PHARMACEUTICAL BIOTECHNOLOGY	10BT62	~		
	ENZYME TECHNOLOGY AND BIOTRANSFORMATION	10BT63	√ ² 2		
	GENOMICS AND PROTEOMICS	10BT64	1		



Sapthagiri College of Engi ering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057
Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2017-18)

	BIOPROCESS EQUIPMENT DESIGN AND CAED	10BT65		§ "	
	ANIMAL BT	10BT661	✓		
	BIOPROCESS CÓNTROL AND AUTOMATION LAB	10BTL67	✓	•	
	BIOKINETICS AND ENZYMETECHNOLOGY LAB	10BTL68	✓		
4 TH	ECONOMICS AND PLANT DESIGN	10BT71	✓		
YEAR	UPSTREAM PROCESS TECHNOLOGY	10BT72	✓		
	DOWNSTREAM PROCESS TECHNOLOGY	10BT73	✓		
	FOOD BIOTECHNOLOGY	10BT74	✓		
	FORENSIC SCIENCE	10BT753			
	HEALTH DIAGNOSTIC	10BT763	(5)		
	UPSTREAM BIOPROCESSING LABORATORY	10BTL77	✓		
	DOWNSTREAM BIOPROCESSING LABORATORY	10BTL78	✓		
	PROJECT MANAGEMENT AND IPR	10BT81			
	BIOETHICS AND BIOSAFETY	10BT82			
	LAB TO INDUSTRIL SCALING	10BT832	✓		
	ENVIRONMENTAL BIOTECHNOLOGY	10BT841	✓		
	PROJECT WORK	10BT85	✓		
	TECHNICAL SEMINAR	10BT86	√	£	

ACADEMIC COMMITTEE CONVENER

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057 Head of the Department Dept. of Bio - Technology Sapthagiri College of Engineering No. 57/1, Chikkasandra Hesaraghatta Main Road

esaraghatta Main Rot Bangalore -57



Sapthagiri College of Engi ering
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057 Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2016-17)

1.3.2.1: Number of courses that include experiential learning through project work/field work/internship/mini project

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11)	
	ENGINEERING PHYSICS	10PHY12/10PHY22				
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22	✓			
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	10CIV13/10CIV23				
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23				
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24				
1 ST	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				
YEAR	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25				
ILAN	BASIC ELECTRONICS	10ELN15 / 10ELN25				
	WORKSHOP PRACTICE	10WSL16/ 10WSL26				
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26				
	LABORATORY EXPERIMENTS IN ENGINEERING	10PHYL17/10PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL	10CIP18/10CIP28				
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28	✓			
	ENGINEERING MATHEMATICS – II	10MAT21				
	ENGINEERING MATHEMATICS – III	10BT31				
2 ND	INTRODUCTION TO UNIT OPERATIONS	10BT32	✓			
YEAR	HUMAN PHYSIOLOGY	10BT33				
	BIOCHEMISTRY	10BT34	✓			



Sapthagiri College of Engi vering
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057 Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2016-17)

	Lucronio ocu	Т				1
	MICROBIOLOGY	10BT35	✓	1	34	
	CELL BIOLOGY AND GENETICS	10BT36	✓			
	BIOCHEMISTRY LABORATORY	10BTL37 '	~			
	UNIT OPERATIONS LABORATORY	10BTL38	✓			
	BIOSTATISTICS AND BIOMODELLING	10BT41	✓			
	BIOCHEMICAL THERMODYNAMICS	10BT42	✓			
	STRUCTURAL BIOLOGY	10BT43				
	MOLECULAR BIOLOGY	10BT44	✓			
	BASIC OF COMPUTER APPLICATION	10BT45				
	BIOPROCESS PRINCIPLES AND CALCULATIONS	10BT46				•
	CELL AND MOLECULAR BIOLOGY LAB	10BTL47	✓			
	MICROBIOLOGY LAB	10BTL48	✓			
	MANAGEMENT AND ENTERORENEURSHIP	10AL51				
	BIOKINETICS AND BIOREACTION ENGINEERING	10BT52	✓			
BD.	BIOINSTRUMENTATION AND BIOSENSOR	10BT53	✓			
3 RD	IMMUNOTECHNOLOGY	10BT54	✓			
YEAR	GENETIC ENGINEERING AND APPLICATION	10BT55	/			
	BIOINFORMATICS	10BT56	✓		T	
	GENETIC ENGINEERING AND IMMUNOTECHNOLOGY LABORATORY	10BTL57	~			
	BIOOINFORMATICS LABORATORY	10BTL58	✓			
	BIOPROCESS CONTROL AND AUTOMATION	10BT61	✓			
	CLINICAL AND PHARMACEUTICAL BIOTECHNOLOGY	10BT62	✓			
	ENZYME TECHNOLOGY AND BIOTRANSFORMATION	10BT63	~			



Sapthagiri College of Engi ering
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057 Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2016-17)

	GENOMICS AND PROTEOMICS	10BT64	· 🗸		
	BIOPROCESS EQUIPMENT DESIGN AND CAED	10BT65	✓		
	ANIMAL BT	10BT661	√	*	
	BIOPROCESS CONTROL AND AUTOMATION LAB	10BTL67	✓		_
	BIOKINETICS AND ENZYMETECHNOLOGY LAB	10BTL68	✓		4
1 TH	ECONOMICS AND PLANT DESIGN	10BT71	1		
/EAR	UPSTREAM PROCESS TECHNOLOGY	10BT72	✓		
	DOWNSTREAM PROCESS TECHNOLOGY	10BT73	1		
	FOOD BIOTECHNOLOGY	10BT74	✓		
	FORENSIC SCIENCE	10BT753			Sec.
	HEALTH DIAGNOSTIC	10BT763			
	UPSTREAM BIOPROCESSING LABORATORY	10BTL77	√		
	DOWNSTREAM BIOPROCESSING LABORATORY	10BTL78	✓		
	PROJECT MANAGEMENT AND IPR	10BT81			
	BIOETHICS AND BIOSAFETY	10BT82			
	LAB TO INDUSTRIL SCALING	10BT832	✓		
	ENVIRONMENTAL BIOTECHNOLOGY	10BT841	✓		
	PROJECT WORK	10BT85	✓		
	TECHNICAL SEMINAR	10BT86	✓		

ACADEMIC COMMITTEE CONVENER

Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057

HOD Head of the Department Dept. of Bio - Technology Sapthagiri College of Engineering No. 57/1, Chikkasandra Hesaraghatta Main Road Bangalore-57



Sapthagiri College of Engi ering (Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057 Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2015-16)

1.3.2.1: Number of courses that include experiential learning through project work/field work/internship/mini project

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11	6			
	ENGINEERING PHYSICS	10PHY12/10PHY22			2.7	
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22	1			
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	10CIV13/10CIV23				
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23			24	
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24				
1 ST	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				
YEAR	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25				
ILAN	BASIC ELECTRONICS	10ELN15 / 10ELN25				
	WORKSHOP PRACTICE	10WSL16/ 10WSL26				
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26				
	LABORATORY EXPERIMENTS IN ENGINEERING	10PHYL17/10PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL	10CIP18/10CIP28		y		
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28	1			
	ENGINEERING MATHEMATICS – II	10MAT21				
	ENGINEERING MATHEMATICS – III	10BT31				
2 ND	INTRODUCTION TO UNIT OPERATIONS	10BT32	1			
YEAR	HUMAN PHYSIOLOGY	10BT33				
	BIOCHEMISTRY	10BT34	1			



Sapthagiri College of Engi ering
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057 Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2015-16)

					4	
	MICROBIOLOGY	10BT35			1	- II
	CELL BIOLOGY AND GENETICS	10BT36	√			
*	BIOCHEMISTRY LABORATORY	10BTL37	✓	•		12
	UNIT OPERATIONS LABORATORY	10BTL38	✓			
Se0	BIOSTATISTICS AND BIOMODELLING	10BT41		,		
	BIOCHEMICAL THERMODYNAMICS	10BT42	1			
	STRUCTURAL BIOLOGY	10BT43				n n :e
	MOLECULAR BIOLOGY	10BT44	1			
	BASIC OF COMPUTER APPLICATION	10BT45				
	BIOPROCESS PRINCIPLES AND CALCULATIONS	10BT46				
	CELL AND MOLECULAR BIOLOGY LAB	10BTL47	✓	-		
	MICROBIOLOGY LAB	10BTL48	1			
11	MANAGEMENT AND ENTERORENEURSHIP	10AL51				
	BIOKINETICS AND BIOREACTION ENGINEERING	10BT52	✓			
	BIOINSTRUMENTATION AND BIOSENSOR	10BT53	1			
3 RD	IMMUNOTECHNOLOGY	10BT54	1			
YEAR	GENETIC ENGINEERING AND APPLICATION	10BT55	✓			
	BIOINFORMATICS	10BT56				
	GENETIC ENGINEERING AND IMMUNOTECHNOLOGY LABORATORY	10BTL57	~			
	BIO0INFORMATICS LABORATORY	10BTL58	/			
	BIOPROCESS CONTROL AND AUTOMATION	10BT61	✓			
	CLINICAL AND PHARMACEUTICAL BIOTECHNOLOGY	10BT62	√			
	ENZYME TECHNOLOGY AND BIOTRANSFORMATION	10BT63	~	k ²	,	
	GENOMICS AND PROTEOMICS	10BT64	✓			



Sapthagiri College of Engineering
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057 Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2015-16)

	BIOPROCESS EQUIPMENT DESIGN AND CAED	10BT65	_	•	
	ANIMAL BT	10BT661	√		Ti di
	BIOPROCESS CONTROL AND AUTOMATION LAB	10BTL67	✓		
	BIOKINETICS AND ENZYMETECHNOLOGY LAB	10BTL68	✓		
4 TH	ECONOMICS AND PLANT DESIGN	10BT71	✓ -		
YEAR	UPSTREAM PROCESS TECHNOLOGY	10BT72	√		
	DOWNSTREAM PROCESS TECHNOLOGY	10BT73	✓		e
	FOOD BIOTECHNOLOGY	10BT74			
	FORENSIC SCIENCE	10BT753			
	HEALTH DIAGNOSTIC	10BT763			
	UPSTREAM BIOPROCESSING LABORATORY	10BTL77	✓		2
	DOWNSTREAM BIOPROCESSING LABORATORY	10BTL78	✓		
	PROJECT MANAGEMENT AND IPR	10BT81			4
	BIOETHICS AND BIOSAFETY	10BT82			
	LAB TO INDUSTRIL SCALING	10BT832	· ·		
	ENVIRONMENTAL BIOTECHNOLOGY	10BT841	✓		
	PROJECT WORK	10BT85	✓		
	TECHNICAL SEMINAR	10BT86	✓		

ACADEMIC COMMITTÉE CONVENER

Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057

Dept. of Bio - Technology Sapthagiri College of Engineering No. 57/1, Chikkasandra Hesaraghatta Main Road Bangalore - 57



Sapthagiri College of Engir 3ring (Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057 Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2014-15)

1.3.2.1: Number of courses that include experiential learning through project work/field work/internship/mini project (Academic year 2014-15)

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11				
	ENGINEERING PHYSICS	10PHY12/10PHY22				
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22	1			
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	10CIV13/10CIV23				
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23		S		
	FLÉMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24				
CT:	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				
1 ST	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25				
YEAR	BASIC ELECTRONICS	10ELN15 / 10ELN25			1	
	WORKSHOP PRACTICE	10WSL16/ 10WSL26				
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26				
	LABORATORY EXPERIMENTS IN ENGINEERING	10PHYL17/10PHYL27			*	4,0
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL	10CIP18/10CIP28			4	
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28	✓			
	ENGINEERING MATHEMATICS – II	10MAT21	l v			
	ENGINEERING MATHEMATICS – III	10BT31	✓			
	INTRODUCTION TO UNIT OPERATIONS	10BT32	√			
- ND	HUMAN PHYSIOLOGY	10BT33				
2 ND	BIOCHEMISTRY	10BT34	1			
YEAR	MICROBIOLOGY	10BT35	✓			
8	CELL BIOLOGY AND GENETICS	10BT36	✓			
	BIOCHEMISTRY LABORATORY	10BTL37	✓			



Sapthagiri College of Engineering
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057 Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2014-15)

	*	1 € 1			
	UNIT OPERATIONS LABORATORY	10BTL38	✓		
(4)	BIOSTATISTICS AND BIOMODELLING	10BT41		3*5	
	BIOCHEMICAL THERMODYNAMICS	10BT42	✓		
	STRUCTURAL BIOLOGY	10BT43		,	
	MOLECULAR BIOLOGY	10BT44	✓		
	BASIC OF COMPUTER APPLICATION	10BT45			
	BIOPROCESS PRINCIPLES AND CALCULATIONS	10BT46			
	CELL AND MOLECULAR BIOLOGY LAB	10BTL47	1		
	MICROBIOLOGY LAB	10BTL48	√		
	MANAGEMENT AND ENTERORENEURSHIP	10AL51			
DD.	BIOKINETICS AND BIOREACTION ENGINEERING	10BT52	✓		
3 RD	BIOINSTRUMENTATION AND BIOSENSOR	10BT53	1		
/EAR	IMMUNOTECHNOLOGY	10BT54	1		
	GENETIC ENGINEERING AND APPLICATION	10BT55	✓		
	BIOINFORMATICS	10BT56	✓		
	GENETIC ENGINEERING AND IMMUNOTECHNOLOGY LABORATORY	10BTL57	✓		
	BIOOINFORMATICS LABORATORY	10BTL58	-		
	BIOPROCESS CONTROL AND AUTOMATION	10BT61	✓		
	CLINICAL AND PHARMACEUTICAL BIOTECHNOLOGY	10BT62	*		
	ENZYME TECHNOLOGY AND BIOTRANSFORMATION	10BT63	*		
	GENOMICS AND PROTEOMICS	10BT64	✓		
	BIOPROCESS EQUIPMENT DESIGN AND CAED	10BT65	· /		
	ANIMAL BT	10BT661	/		



Sapthagiri College of Engineering (Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology (AY 2014-15)

	BIOPROCESS CONTROL AND AUTOMATION LAB	10BTL67	✓			
	BIOKINETICS AND ENZYMETECHNOLOGY LAB	10BTL68	✓			
4 TH	ECONOMICS AND PLANT DESIGN	10BT71	1			- 2
YEAR	UPSTREAM PROCESS TECHNOLOGY	10BT72	✓			
	DOWNSTREAM PROCESS TECHNOLOGY	10BT73	✓			
	FOOD BIOTECHNOLOGY	10BT74	**			
	FORENSIC SCIENCE	10BT753				
	HEALTH DIAGNOSTIC	10BT763				Ш
	UPSTREAM BIOPROCESSING LABORATORY	10BTL77	/		-	
	DOWNSTREAM BIOPROCESSING LABORATORY	10BTL78	✓	9		
	PROJECT MANAGEMENT AND IPR	10BT81				
	BIOETHICS AND BIOSAFETY	10BT82				
	LAB TO INDUSTRIL SCALING	10BT832	✓			
	ENVIRONMENTAL BIOTECHNOLOGY	10BT841	✓			
	PROJECT WORK	10BT85	✓			
	TECHNICAL SEMINAR	10BT86	✓			

ACADEMIC COMMITTEE CONVENER

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

Head of the Department
Dept. of Blo-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra

Hesaraghatta Main Road Bangalore - 57

SAPTHAGIRI College of Engineering

SAPTHAGIRI COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING AY: -2018-19

Creating Tomorro 1.3.2.1: Number of courses that include experiential learning through project work/field work/internship/mini project

INTERNICIUR

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	PROJECT
Chemistry	COMPUTER AIDED ENGINEERING DRAWING	15CED14/15CED24	n			20
Cycle 1 ST	ENGINEERING CHEMISTRY	15CHE12/15CHE22				
Semester	BASIC ELECTRONICS	15ELN15/15ELN25	V		V	
Jemester	ENGINEERING MATHS-I	15MAT11/15MAT21	√		V	
	PROGRAMMING IN C & DATA STRUCTURES	15PCD13/15PCD23	V		٧	
	ELEMENTS OF CIVIL ENGG. & MECHANICS	15CIV13/15CIV23	*			
Physics	CONSTITUTION OF INDIA, PROFESSIONAL ETHICS AND HUMAN RIGHTS (CPH)	15CPH18/15CPH28				
Cycle 1 ST	BASIC ELECTRICAL ENGG.	15ELE15/15ELE25				
Semester	ELEMENTS OF MECHANICAL ENGG.	15EME14/15EME24				
	ENGINEERING MATHS-I	15MAT11/15MAT21				
	ENGINEERING PHYSICS	15PHY12/15PHY22				
	ENGG. PHYSICS LAB	15PHYL17/15PHYL27				
2	WORKSHOP PRACTICE	15WSL16/15WSL26				
	ENGINEERING MATHEMATICS-III	15MAT31	٧		٧	
	ANALOG AND DIGITAL ELECTRONICS	15CS32	٧		٧	_
	DATA STRUCTURES AND APPLICATIONS	15CS33	٧		٧	
	COMPUTER ORGANIZATION	15CS34	V		٧	
	UNIX AND SHELL PROGRAMMING	15CS35	V		٧	
	DISCRETE MATHEMATICAL STRUCTURES	15CS36	V		٧	
2 ND YEAR	ANALOG AND DIGITAL ELECTRONICS LABORATORY	15CSL37	V		٧	i.e
	DATA STRUCTURES LABORATORY	15CSL38	٧		٧	-
	ENGINEERING MATHEMATICS-IV	15MAT41	٧		٧	
	SOFTWARE ENGINEERING	15CS42	٧		٧ *	
	DESIGN AND ANALYSIS OF ALGORITHMS	15CS43	٧		V	
*	MICROPROCESSORS AND	15CS44	V	+	V	

	OBJECT ORIENTED PR	15CS45	J	٧	
	DATA COMMUNICATIONS	15CS46	٧	٧	4
	MICROPROCESSORS AND	15CSL48	V	٧	
	MICROCONTROLLERS LAB	,		4	
	DESIGN AND ANALYSIS OF ALGORITHMS	15CSL47	V	٧	
	LAB				
	MANAGEMENT AND ENTREPRENEURSHIP	15CS51			
	COMPUTER NETWORKS	15CS52	√	√	
	DATABASE MANAGEMENT SYSTEM	15CS53	V	V	
3 RD YEAR	AUTOMATA THEORY AND COMPUTABILITY	15CS54	V	٧	
	OBJECT ORIENTED MODELING AND DESIGN	15CS55	V	٧	
	ADVANCED JAVA AND J2EE	15CS553	V	٧	
	CLOUD COMPUTING	15CS565	√	٧	
	COMPUTER NETWORKS LAB	15CSL57	√ .	٧	
	DATABASE MANAGEMENT LAB	15CSL58	√	٧	
	CRYPTOGRAPHY, NETWORK SECURITY AND	15CS61	V	√	
	COMPUTER GRAPHICS AND VISUALIZATION	15CS62	V	٧	283
	SYSTEM SOFTWARE AND COMPILER	15CS63	V	٧	8
	OPERATING SYSTEMS	15CS64	V	٧	
	OPERATION RESEARCH	15CS653			2
	PYTHON APPLICATION PROGRAMMING	15CS664	V	V	
	SYSTEM SOFTWARE AND OPERATING	15CSL67	V	٧	٧
	SYSTEM LABORATORY				
	COMPUTER GRAPHICS LABORATORY WITH	15CSL68	V	V	٧
	MINI PROJECT				
	WEB TECHNOLOGY AND ITS APPLICATIONS	15CS71	V	٧	٧
	ADVANCED COMPUTER ARCHITECTURES X	15CS72	1		
	MACHINE LEARNING	15CS73	V	٧	
4 TH YEAR	UNIX SYSTEM PROGRAMMING	15CS744			
	STORAGE AREA NETWORKS	15CS754		*	
	MACHINE LEARNING LABORATORY	15CSL76	V	٧	
	WEB TECHNOLOGY LABORATORY WITH	15CSL77	V	٧	٧
	PROJECT PHASE 1 + SEMINAR	15CSP78	V	٧	
	INTERNET OF THINGS AND APPLICATIONS	15CS81	V	٧	
	BIG DATA ANALYTICS	15CS82	V	٧	
	SYSTEM MODELING AND SIMULATION	15CS834	V	V	

-	٧	2
į.		2

ACADEMIC COMMITTEE CONVENER

INTERNSHIP / PROFESS

SEMINAR

PROJECT WORK PHASE II

Principal

15CS84

15CSP85

15CSS86

IAL PRACTICE

Sapthagiri College of Engineering

Chikkasandra, Hesaraghatta Ros. Bangalore- 560 057 Kles

HOD
Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
Bangalore-57

SAPTHAGIRI COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING AY: -2017-18

Creating Tomorrol 1.3.2.1: Number of courses that include experiential learning through project work/field work/internship/mini project

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	14MAT11	٧			
	ENGINEERING PHYSICS	14PHY12/14PHY22				
	ENGINEERING CHEMISTRY	14CHE12/ 14CHE 22				
	ELEMENTS OF CIVIL ENGINEERING &	14CIV13/14CIV23				
	ENGINEERING MECHANICS	,			21	
	COMPUTER CONCEPTS AND C PROGRAMMING	14CCP13/14CCP23	٧		V	
	ELEMENTS OF MECHANICAL ENGINEERING	14EME14 / 14EME24				
. ST	COMPUTER AIDED ENGINEERING DRAWING	14CED14 / 14CED24				
1 ST	BASIC ELECTRICAL ENGINEERING	14ELE15/ 14ELE25	٧			
YEAR	BASIC ELECTRONICS	14ELN15 / 14ELN25	٧			
	WORKSHOP PRACTICE	14WSL16/ 14WSL26	-			
	COMPUTER PROGRAMMING LABORATORY	14CPL16 / 14CPL26	٧		V	
	LABORATORY EXPERIMENTS IN ENGINEERING	14PHYL17/14PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	14CHEL17/14CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL	14CIP18/14CIP28				
	ENVIRONMENTAL STUDIES	14CIV18/14CIV28			N 61	
	ENGINEERING MATHEMATICS – II	14MAT21	٧			
	ENGINEERING MATHEMATICS-III	10MAT31	٧		٧	
	ELECTRONIC CIRCUITS	10CS32	٧		V	
	LOGIC DESIGN	10CS33	٧		٧	
	DISCRETE MATHEMATICAL STRUCTURES	10CS34	٧		V	
	DATA STRUCTURES WITH C	10CS35	٧		V	
2 ND	OBJECT ORIENTED PROGRMMING WITH C++	10CS36	V		V	
YEAR	DATA STRUCTURES WITH C/C++ LABORATORY	10CSL37	٧		٧	-
YEAR	ELECTRONIC CIRCUITS AND LOGIC DESIGN	10CSL38	٧		V	
	LABORATORY					
	ENGINEERING MATHEMATICS-IV	10MAT41	V		٧	
	GRAPH THEORY AND COMBINATORICS	10CS42	V		V	
1	DESIGN AND ANALYSIS OF ALGORITHM	10CS43	٧		٧	
1	UNIX AND SHELL PROGRAMMING	10CS44	٧		٧	

	MICROPROCESSORS	10CS45			
	COMPUTER ORGANIZATION	The second second	√	V	
	DESIGN AND ANALYSIS OF ALGORITHM	10CS46	√	٧	
	LABORATORY	10CSL47	V	V	
	MICROPROCESSORS LABORATORY	10CSL48	V	V	
	SOFTWARE ENGINEERING	10IS51	V	\ \sqrt{\sqrt{\sqrt{\chi}}	
- RD	SYSTEMS SOFTWARE	10CS52			
3 RD	OPERATING SYSTEM	10CS53	٧	V	
YEAR	DATABASE MANAGEMENT SYSTEMS	10CS54	V	V	
	COMPUTER NETORKS-I	10CS55	V	· V	
	FORMAL LANGUAGES AND AUTOMATA THEORY	10CS56	·		
14	DATABASE APPLICATIONS LABORATORY	10CSL57	V	V	N.
	SYSTEMS SOFTWARE & OPERATING SYSTEM LABORATORY	10CSL58	V	V	V
	MANAGEMENT AND ENTREPRENEURSHIP	10CS61			
	UNIX SYSTEM PROGRAMMING	10CS62	V	V	
	COMPILER DESIGN	10CS63	V	V	
	COMPUTR NETWORKS-II	10CS64	V	V	
	COMPUTER GRAPHICS AND VISUALIZATION	10CS65	V	V	
-	OPERATIONS RESEARCH	10CS661		V	
	COMPUTER GRAPHICS AND VISUALIZATION LABORATORY	10CSL67	٧	√ · √	V
	UNIX SYSTEM PROGRAMMING AND COMPILER DESIGN	10CSL68	٧	٧	
4 TH	OBJECT-ORIENTED MODELING AND DESIGN	10CS71		9/	
YEAR	EMBEDDED COMPUTING SYSTEMS	10CS72	V	V	
	PROGRAMMING THE WEB	10CS73	V	V	
	ADVANCED COMPUTER ARCHITECTURES	10CS74		V	
	JAVA ANDJ2EE	10CS753	V	V	
- 1	STORAGE AREA NETWORKS	10CS765		, V	
	NETWORKS LABORATORY	10CSL77	V		
	WEB PROGRAMMING LABORATORY	10CSL78	V	V	
"	SOFTWARE ARCHITECTURES	10CS81	•	V	V
	SYSTEM MODELING AND SIMULATION	10CS82	V	- 1	
-	WIRELESS NETWORKS AND MOBILE COMPUTING	10CS831	V .	√ √	-

.

AD-HOC NETWORKS	10CS841	V	V .	
PROJECT WORK	10CS85	v	V	
SEMINAR	10CS86			

ACADEMIC COMMITTEE CONVENER

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road

Bangalore-560 057

For HOD

Professor & Head of the Department Computer Science Engineering Sapthagiri College of Engineering Bangalore-57



SAPTHAGIRI COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING AY: -2016-17

Treating Tomorro 1.3.2.1: Number of courses that include experiential learning through project work/field work/internship/mini project

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11	VOICE	WORK	1	TROJECT
	ENGINEERING PHYSICS	10PHY12/10PHY22	<u> </u>			
	ENGINEERING CHEMISTRY	10CHE12/10CHE 22				
	ELEMENTS OF CIVIL ENGINEERING &	10CIV13/10CIV23				
	ENGINEERING MECHANICS	1001113/1001123	1	29		
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23	٧		٧	
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24				
CT.	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				
1 ST	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	٧			
YEAR	BASIC ELECTRONICS	10ELN15 / 10ELN25	٧	-4		
	WORKSHOP PRACTICE	10WSL16/ 10WSL26		100		
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26	٧		٧	
	LABORATORY EXPERIMENTS IN ENGINEERING	10PHYL17/10PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL	10CIP18/10CIP28				8
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28				
	ENGINEERING MATHEMATICS – II	10MAT21	٧			
	ENGINEERING MATHEMATICS-III	10MAT31	٧	3	٧	
	ELECTRONIC CIRCUITS	10CS32	٧		٧	
	LOGIC DESIGN	10CS33	٧		٧	
	DISCRETE MATHEMATICAL STRUCTURES	10CS34	٧		٧	
	DATA STRUCTURES WITH C	10CS35	٧		٧	
2 ND	OBJECT ORIENTED PROGRMMING WITH C++	10CS36	٧		٧	
YEAR	DATA STRUCTURES WITH C/C++ LABORATORY	10CSL37	٧		٧	
	ELECTRONIC CIRCUITS AND LOGIC DESIGN	10CSL38	٧		٧	
	LABORATORY ENGINEERING MATHEMATICS-IV	10MAT41	٧	-	٧	
	GRAPH THEORY AND COMBINATORICS	10CS42	V		V	
	DESIGN AND ANALYSIS OF ALGORITHM	10CS42	V	-	V	1
	DESIGN AND ANALTSIS OF ALGORITHM	100343	V		V	

	UNIX AND SHELL PROGRAMN G	10CS44	V		٧	
	MICROPROCESSORS	10CS45	٧	*	V	
	COMPUTER ORGANIZATION	10CS46	V		٧	
	DESIGN AND ANALYSIS OF ALGORITHM LABORATORY	10CSL47	٧.		٧	4
	MICROPROCESSORS LABORATORY	10CSL48	٧		٧	
	SOFTWARE ENGINEERING	10IS51	٧		√	
	SYSTEMS SOFTWARE	10CS52				
RD	OPERATING SYSTEM	10CS53	٧		٧	
EAR	DATABASE MANAGEMENT SYSTEMS	10CS54	٧		٧	
	COMPUTER NETORKS-I	10CS55	V		٧	
	FORMAL LANGUAGES AND AUTOMATA THEORY	10CS56			8	
	DATABASE APPLICATIONS LABORATORY	10CSL57	٧		٧	V
	SYSTEMS SOFTWARE & OPERATING SYSTEM LABORATORY	10CSL58	٧		V	
	MANAGEMENT AND ENTREPRENEURSHIP	10CS61				
	UNIX SYSTEM PROGRAMMING	10CS62	٧		V	
	COMPILER DESIGN	10CS63	V		V	
	COMPUTR NETWORKS-II	10CS64	٧		V	
	COMPUTER GRAPHICS AND VISUALIZATION	10CS65	V		V	
	OPERATIONS RESEARCH	10CS661				.,
	COMPUTER GRAPHICS AND VISUALIZATION LABORATORY	10CSL67	٧	`	V	٧
	UNIX SYSTEM PROGRAMMING AND COMPILER DESIGN	10CSL68	٧		٧	
TH	OBJECT-ORIENTED MODELING AND DESIGN	10CS71				
EAR	EMBEDDED COMPUTING SYSTEMS	10CS72	٧		٧	-
	PROGRAMMING THE WEB	10CS73	٧		V	
	ADVANCED COMPUTER ARCHITECTURES	10CS74	0			*
	JAVA ANDJ2EE	10CS753	٧		V	
	STORAGE AREA NETWORKS	10CS765				
	NETWORKS LABORATORY	10CSL77	٧		V	
	WEB PROGRAMMING LABORATORY	10CSL78	٧		٧	√
	SOFTWARE ARCHITECTURES	10CS81				
	SYSTEM MODELING AND SIMULATION	10CS82	V		V	

			n	
WIRELESS NETWORKS AND MOBILE COMPUTING	10CS831	٧	٧	
AD-HOC NETWORKS	10CS841	٧	V	
PROJECT WORK	10CS85	٧	V	
SEMINAR	10CS86			

ACADEMIC COMMITTEE CONVENER

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road Bangalore- 560 057

Professor & Head of the Department Computer Science Engineering Sapthagiri College of Engineering Bangalore-57



SAPTHAGIRI COLLEGE OF ENG.. 'EERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING AY: -2015-16

Treating Tomorrow 1.3.2.1: Number of courses that include experiential learning through project work/field work/internship/mini project

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11	٧			
	ENGINEERING PHYSICS	10PHY12/10PHY22				
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22				
	ELEMENTS OF CIVIL ENGINEERING &	10CIV13/10CIV23				
1 ST YEAR	ENGINEERING MECHANICS COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23	٧		٧	
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24				
	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				
	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	√			
	BASIC ELECTRONICS	10ELN15 / 10ELN25	٧		E.	
	WORKSHOP PRACTICE	10WSL16/ 10WSL26				
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26	٧		V	
	LABORATORY EXPERIMENTS IN ENGINEERING	10PHYL17/10PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL	10CIP18/10CIP28				
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28				
	ENGINEERING MATHEMATICS – II	10MAT21	٧		1.	
	ENGINEERING MATHEMATICS-III	10MAT31	٧		٧	
	ELECTRONIC CIRCUITS	10CS32	V		٧	
	LOGIC DESIGN	10CS33	V		V	
	DISCRETE MATHEMATICAL STRUCTURES	10CS34	٧		V	
	DATA STRUCTURES WITH C	10CS35	√		V	
ND	OBJECT ORIENTED PROGRMMING WITH C++	10CS36	V		V .	
2 ND	DATA STRUCTURES WITH C/C++ LABORATORY	10CSL37	٧		V .	
YEAR	ELECTRONIC CIRCUITS AND LOGIC DESIGN LABORATORY	10CSL38	٧		V	
	ENGINEERING MATHEMATICS-IV	10MAT41	٧		٧	
	GRAPH THEORY AND COMBINATORICS	10CS42	٧		٧	
	DESIGN AND ANALYSIS OF ALGORITHM	10CS43	٧		٧	
	UNIX AND SHELL PROGRAMMING	10CS44	٧		V	

		MICROPROCESSORS	10CS45	V	V		
		COMPUTER ORGANIZATION	10CS46	V	V		
		DESIGN AND ANALYSIS OF ALGORITHM	10CSL47	V	V		·
		LABORATORY	= 4 Bases Mr.				
	/50	MICROPROCESSORS LABORATORY	10CSL48	٧	V		(4)
		SOFTWARE ENGINEERING	10IS51	V	V		
	00	SYSTEMS SOFTWARE	10CS52				
4	3 RD	OPERATING SYSTEM	10CS53	V	V		
	YEAR	DATABASE MANAGEMENT SYSTEMS	10CS54	V	٧		
1		COMPUTER NETORKS-I	10CS55	V	V		
	-7	FORMAL LANGUAGES AND AUTOMATA THEORY	10CS56				
1 9		DATABASE APPLICATIONS LABORATORY	10CSL57	٧	٧	V	
		SYSTEMS SOFTWARE & OPERATING SYSTEM LABORATORY	10CSL58	٧	٧		
		MANAGEMENT AND ENTREPRENEURSHIP	10CS61				
		UNIX SYSTEM PROGRAMMING	10CS62	V	V		
		COMPILER DESIGN	10CS63	V	V	****	
		COMPUTR NETWORKS-II	10CS64	V	V		
		COMPUTER GRAPHICS AND VISUALIZATION	10CS65	V	V		
		OPERATIONS RESEARCH	10CS661				
		COMPUTER GRAPHICS AND VISUALIZATION LABORATORY	10CSL67	٧	v	٧	
		UNIX SYSTEM PROGRAMMING AND COMPILER DESIGN	10CSL68	٧	V		
-	4 TH	OBJECT-ORIENTED MODELING AND DESIGN	10CS71				
	YEAR	EMBEDDED COMPUTING SYSTEMS	10CS72	V	٧		
		PROGRAMMING THE WEB	10CS73	V	V		
		ADVANCED COMPUTER ARCHITECTURES	10CS74		1 1/2		
		JAVA ANDJ2EE	10CS753	V	V		
		STORAGE AREA NETWORKS	10CS765				
X.		NETWORKS LABORATORY	10CSL77	V	V		
_		WEB PROGRAMMING LABORATORY	10CSL78	V	V	V	
-		SOFTWARE ARCHITECTURES	10CS81			1 2/	
		SYSTEM MODELING AND SIMULATION	10CS82	V	V		
-		WIRELESS NETWORKS AND MOBILE COMPUTING	10CS831	V	V		

ı		
	0	
	56	
ı	0	
	100	

AD-HOC NETWORKS	10CS841	٧	V	
PROJECT WORK	10CS85	٧	V	
SEMINAR	10CS86			

ACADEMIC COMMITTEE CONVENER

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

Professor & Head of the Department of Computer Science Engineering
Sapthagiri College of Engineering
Bangalore-57



SAPTHAGIRI COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING AY: -2014-15

Creating Tomorro 1.3.2.1: Number of courses that include experiential learning through project work/field work/internship/mini project

YEAR		COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI
	ENGINEERING MATHEMATICS-I	10MAT11	V	Words		PROJECT
	ENGINEERING PHYSICS	10PHY12/10PHY22		1		
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22		1		
	ELEMENTS OF CIVIL ENGINEERING &	10CIV13/10CIV23		+		
	ENGINEERING MECHANICS	1,240,120	e _{wax}		-	
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23	٧		V	
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24			†·	
1 ST	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				
YEAR	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	٧			
ILAN	BASIC ELECTRONICS	10ELN15 / 10ELN25	V			
	WORKSHOP PRACTICE	10WSL16/ 10WSL26		1	1	
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26	٧	 	V	
	LABORATORY EXPERIMENTS IN ENGINEERING	10PHYL17/10PHYL27			V	
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27	4.0			
*	CONSTITUTION OF INDIA AND PROFESSIONAL	10CIP18/10CIP28				
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28				
	ENGINEERING MATHEMATICS – II	10MAT21	٧			
	ENGINEERING MATHEMATICS-III	10MAT31	√ √		—	
1	ELECTRONIC CIRCUITS	10CS32	V		٧	
	LOGIC DESIGN	10CS33	√ √		٧	
İ	DISCRETE MATHEMATICAL STRUCTURES	10CS34	V √		V	
	DATA STRUCTURES WITH C	10CS35			V	5
ND	OBJECT ORIENTED PROGRMMING WITH C++	10CS36	٧		٧	
'EAR	DATA STRUCTURES WITH C/C++ LABORATORY	10CSL37	٧		V	
-	ELECTRONIC CIRCUITS AND LOGIC DESIGN	TO THE DESCRIPTION OF THE PROPERTY.	٧	i j	٧	
	LABORATORY	10CSL38	٧		V	
	ENGINEERING MATHEMATICS-IV	10MAT41	٧		V	
	GRAPH THEORY AND COMBINATORICS	10CS42	٧		V	
	DESIGN AND ANALYSIS OF ALGORITHM	10CS43	٧		V	

_					
	UNIX AND SHELL PROGRAMN 3	10CS44	٧	V	
	MICROPROCESSORS	10CS45	√	V	
	COMPUTER ORGANIZATION	10CS46	√	٧	
	DESIGN AND ANALYSIS OF ALGORITHM LABORATORY	10CSL47	V .	V	1
	MICROPROCESSORS LABORATORY	10CSL48	√ V	٧	
	SOFTWARE ENGINEERING	10IS51	V	V	
	SYSTEMS SOFTWARE	10CS52			
RD	OPERATING SYSTEM	10CS53	V	V	
'EAR	DATABASE MANAGEMENT SYSTEMS	10CS54	V	٧	×
.=	COMPUTER NETORKS-I	10CS55	V	V	
	FORMAL LANGUAGES AND AUTOMATA THEORY	10CS56	10	1	
	DATABASE APPLICATIONS LABORATORY	10CSL57	V	√	٧
	SYSTEMS SOFTWARE & OPERATING SYSTEM LABORATORY	10CSL58	٧	٧	=
	MANAGEMENT AND ENTREPRENEURSHIP	10CS61			
	UNIX SYSTEM PROGRAMMING	10CS62	√	٧	a 6
	COMPILER DESIGN	10CS63	√	٧	
4 32 4 1.	COMPUTR NETWORKS-II	10CS64	. 1	V	
aren erre Aug	COMPUTER GRAPHICS AND VISUALIZATION	10CS65	٧	V	
4	OPERATIONS RESEARCH	10CS661			
	COMPUTER GRAPHICS AND VISUALIZATION LABORATORY	10CSL67	٧	٧	V
	UNIX SYSTEM PROGRAMMING AND COMPILER DESIGN	10CSL68	v	٧	
4 TH	OBJECT-ORIENTED MODELING AND DESIGN	10CS71			
YEAR	EMBEDDED COMPUTING SYSTEMS	10CS72	٧	٧	
i Le mi	PROGRAMMING THE WEB	10CS73	٧	٧	
	ADVANCED COMPUTER ARCHITECTURES	10CS74			-
	JAVA ANDJ2EE	10CS753	V	√.	
	STORAGE AREA NETWORKS	10CS765			
	NETWORKS LABORATORY	10CSL77	· V	√	
	WEB PROGRAMMING LABORATORY	10CSL78	V	V	V
	SOFTWARE ARCHITECTURES	10CS81			
	SYSTEM MODELING AND SIMULATION	10CS82	V	V	

	4			
WIRELESS NETWORKS AND MOBILE COMPUTING	10CS831	٧ -	٧	*
AD-HOC NETWORKS	10CS841	V	V	
PROJECT WORK	10CS85	V	V	
SEMINAR	100586		•	

ACADEMIC COMMITTEE CONVENER

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road Bangalore- 560 057 BY HOD

Professor & Head of the Department Computer Science Enginteering Sapthagiri College of Engineering Barganore-57



Sapthagiri College of Engineenng

(Affiliated to Visvesvaraya Technological University, Belagavi& Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.

Department of Civil Engineering

1.3.2.1: Number of courses that include experiential learning through project work/field work/internship 2018 - 2019

YEAR	COURSE NAME	COURSE CODE	PROJE CT	FIELD WORK	INTERNSHI P
	ENGINEERING MATHEMATICS-I	15MAT11	V	V	V
	ENGINEERING PHYSICS	15PHY12/15PHY22	V		
	ENGINEERING CHEMISTRY	15CHE12/ 15CHE22	V		V
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	15CIV13/15CIV23	V		
	PROGRAMMING IN C AND DATA STRUCTURES	15PCD13/15PCD23			
	ELEMENTS OF MECHANICAL ENGINEERING	15EME14 / 15EME24			
	COMPUTER AIDED ENGINEERING DRAWING	15CED14 / 15CED24	V		
	BASIC ELECTRICAL ENGINEERING	15ELE15/ 15ELE25			
aST VEAD	BASIC ELECTRONICS	15ELN15 / 15ELN25			
1 ST YEAR	WORKSHOP PRACTICE	15WSL16/ 15WSL26			
ć	COMPUTER PROGRAMMING LABORATORY	15CPL16 / 15CPL26			
	LABORATORY EXPERIMENTS IN ENGINEERING PHYSICS	15PHYL17/15PHYL27			
	ENGINEERING CHEMISTRY LABORATORY	15CHEL17/15CHEL27	٧		V
	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	15CPD18/15CPD28			
	ENVIRONMENTAL STUDIES	15CIV18/15CIV28	V		
	KANNADA LANGUAGE	15KM/KK18/15KM/KK28	1.73		
	ENGLISH LANGUAGE	15ENG18/15ENG28			
	ENGINEERING MATHEMATICS – II	15MAT21	٧	٧	V
	ENGINEERING MATHEMATICS – III	15MAT31	V	v	V
	STRENGTH OF MATERIALS	15CV32	V	٧	V
	FLUIDS MECHANICS	15CV33			1.
	BASIC SURVEYING	15CV34		٧	
	ENGINEERING GEOLOGY	15CV35		٧	
2 ND YEAR	BUILDING MATERIALS AND CONSTRUCTION	15CV36	V	٧	V
	MATERIALS TESTING LABORATORY	15CVL37	V	٧	V
	BASIC SURVEYING PRACTICE	15CVL38		٧	1
	ENGINEERING MATHEMATICS – IV	15MAT41	V	√	V
	ANALYSIS OF DETERMINATE STRUCTURES	15CV42	٧		V
	APPLIED HYDRAULICS	15CV43			



Sa Thagiri College of Engineenng

(Affiliated to Visvesvaraya Technological University, Belagavi& Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Department of Civil Engineering

1.3.2.1: Number of courses that include experiential learning through project work/field work/internship

	CONCRETE TECHNOLOGY	15CV44	٧	٧	٧
	BASIC GEOTECHNICAL ENGINEERING	15CV45	٧	٧	٧
	ADVANCED SURVEYING	15CV46		V	
	FLUID MECHANICS LABORATORY	15CVL47			
	ENGINEERING GEOLOGY LABORATORY	15CVL48		V	
	DESIGN OF RC STRUCTURAL ELEMENTS	15CV51	V	V	V
200	ANALYSIS OF INDETERMINATE STRUCTURES	15CV52	V	V	V
3 RD	APPLIED GEOTECHNICAL ENGINEERING	15CV53	V	V	V
YEAR	COMPUTER AIDED BUILDING PLANNING AND DRAWING	15CV54	V	V	V
	RAILWAYS, HARBOUR, TUNNELLING AND AIRPORTS (ELECTIVE)	15CV552		V	
	TRAFFIC ENGINEERING (ELECTIVE)	15CV561	V	V	V
	GEOTECHNICAL ENGINEERING LAB	15CVL57	V	V	V
	CONCRETE AND HIGHWAY MATERIALS LABORATORY	15CVL58	V	V	V
	CONSTRUCTION MANAGEMENT AND ENTREPRENEURSHIP	15CV61	V	V	V
	DESIGN OF STEEL STRUCTURAL ELEMENTS	15CV62	V	V	V
	HIGHWAY ENGINEERING	15CV63	V	V	V
	WATER SUPPLY AND TREATMENT ENGINEERING	15CV64	V	V	V
	SOLID WASTE MANAGEMENT (ELECTIVE)	15CV651	V		V
	WATER RESOURCES MANAGEMENT (ELECTIVE)	15CV661	V	V	V
	SOFTWARE APPLICATION LAB	15CVL67	V	V V	V
	EXTENSIVE SURVEY PROJECT /CAMP	15CVP68	V	V	V
4 TH	MUNICIPAL AND INDUSTRIAL WASTE WATER ENGINEERING	15CV71	V	, V	V
YEAR	DESIGN OF RCC AND STEEL STRUCTURES	15CV72	V	V	V
	HYDROLOGY AND IRRIGATION ENGINEERING	15CV73	V	V	V V
~	DESIGN OF BRIDGES	15CV741	V V	V	V
\	GROUND WATER AND HYDRALUICS	15CV741	V		V
	URBAN TRANSPORTATION AND PLANNING	15CV742 15CV751		٧	
	ENVIRONMENTAL ENGINEERING LABORATORY		√	٧	√
res	COMPUTER AIDED DETAILING OF STRUCTURES	15CVL76 15CVL77	V √	V	V
\	PROJECT PHASE I +PROJECT SEMINAR	15CVL77	V	V	V
V	OLIANTITY SUBVEYING AND CONTRACTS MANAGENETICS	The state of the s			٧
15.0	QUANTITY SURVEYING AND CONTRACTS MANAGEMENT	15CV81	٧	V	V



Sa Jagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi& Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Department of Civil Engineering

1.3.2.1: Number of courses that include experiential learning through project work/field work/internship

DESIGN OF PRE STRESSED CONCRETE ELEMENTS	15CV82	V	٧	٧
PAVEMENT DESIGN	15CV833	٧	٧	٧
INTERNSHIP/PROFESSIONAL PRACTICE	15CV84	٧	٧	٧
PROJECT WORK	15CVP85	٧	٧	٧
SEMINAR ON CURRENT TRENDS IN ENGINEERING AND TECHNOLOGY	15CVS86			

ACADEMIC COMMITTEE CONVENER

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

HOD, Dept. of Civil Engg.

S.C.E, Bangalore-560 057



Sa. hagiri College of Engineenng

(Affiliated to Visvesvaraya Technological University, Belagavi& Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Department of Civil Engineering

1.3.2.1: Number of courses that include experiential learning through project work/field work/internship

2017-2018

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP
	ENGINEERING MATHEMATICS-I	10MAT11	٧	٧	٧
	ENGINEERING PHYSICS	10PHY12/10PHY22	٧		
	ENGINEERING CHEMISTRY	10CHE12/10CHE22	٧		٧
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	10CIV13/10CIV23	٧		
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23			
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24			
	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24	٧		
1 ST	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25			
YEAR	BASIC ELECTRONICS	10ELN15 / 10ELN25			
	WORKSHOP PRACTICE	10WSL16/ 10WSL26			
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26			
	LABORATORY EXPERIMENTS IN ENGINEERING PHYSICS	10PHYL17/10PHYL27			
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27	٧		٧
	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	10CIP18/10CIP28			
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28	٧		
	ENGINEERING MATHEMATICS – II	10MAT21	٧	٧	V
	ENGINEERING MATHEMATICS – III	10MAT31	٧	٧	٧
	BUILDING MATERIALS AND CONSTRUCTION TECHNOLOGY	10CV32	٧		
	STRENGTH OF MATERIALS	10CV33	٧		
	SURVEYING – I	10CV34		٧	٧
2 ND	FLUID MECHANICS	10CV35			
Z YEAR	APPLIED ENGINEERING GEOLOGY	10CV36		٧	
TEAR	BASIC MATERIAL TESTING LAB	10CVL37	٧	LAW.	
	SURVEYING PRACTICE – I	10CVL38		٧	
	ENGINEERING MATHEMATICS – IV	10MAT41	٧	٧	٧
~	CONCRETE TECHNOLOGY	10CV42	٧		٧
_ \	STRUCTURAL ANALYSIS –I	10CV43	٧	٧	٧



Sa thagiri College of Engineeing

(Affiliated to Visvesvaraya Technological University, Belagavi& Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Department of Civil Engineering

1.3.2.1: Number of courses that include experiential learning through project work/field work/internship

	SURVEYING – II	10CV44		V	
	HYDRAULICS & HYDRAULIC MACHINES	10CV45			
	BUILDING PLANNING AND DRAWING	10CV46		V	
	SURVEYING PRACTICE – II LABORATORY	10CVL47		V	
	APPLIED ENGINEERING GEOLOGY LABORATORY	10CVL48		V	
	MANAGEMENT & ENTREPRENEURSHIP	10AL51	V		√
1000	DESIGN OF RCC STRUCTURAL ELEMENTS	10CV52	V	V	V
3 RD	STRUCTURAL ANALYSIS – II	10CV53	٧	V	- V
YEAR	GEOTECHNICAL ENGINEERING – I	10CV54	V	V	V
	HYDROLOGY AND IRRIGATION ENGINEERING	10CV55		V	- ·
	TRANSPORTATION ENGINEERING I	10CV56	V	V	V
	HYDRAULICS AND HYDRAULICS MACHINERY LABORATORY	10CVL57			
	COMPUTER AIDED DESIGN LABORATORY	10CVL58	V	V	V
	ENVIRONMENTAL ENGINEERING-I	10CV61	٧	V	V
	DESIGN & DRAWING OF RC STRUCTURES	10CV62	V		V
	TRANSPORTATION ENGINEERING II	10CV63	V	V	V
	GEOTECHNICAL ENGINEERING – II	10CV64	V	V	V
	HYDRAULIC STRUCTURES & IRRIGATION DESIGN-DRAWING	10CV65	٧	V	٧
	RURAL WATER SUPPLY AND SANITATION	10CV666	V	V	V
	GEOTECHNICAL ENGINEERING LABORATORY	10CVL67	V	V	V
	EXTENSIVE SURVEY VIVA - VOCE	10CVP68	V	V	V
4 TH	ENVIRONMENTAL ENGINEERING – II	10CV71	V	V	V
FAR	DESIGN OF STEEL STRUCTURES	10CV72	V		V
	ESTIMATION & VALUATION	10CV73	V		V
	DESIGN OF PRE-STRESSED CONCRETE STRUCTURES	10CV74	V		V
	HIGHWAY GEOMETRIC DESIGN	10CV755	V	V	V
	SOLID WASTE MANAGEMENT	10CV757	V		V
	ENVIRONMENTAL ENGINEERING LABORATORY	10CVL77	V		V
	CONCRETE AND HIGHWAY MATERIALS LABORATORY	10CVL78	V	V	1



Sa chagiri College of Engine ng

(Affiliated to Visvesvaraya Technological University, Belagavi& Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Department of Civil Engineering

1.3.2.1: Number of courses that include experiential learning through project work/field work/internship

ADVANCED CONCRETE TECHNOLOGY	10CV81	V	٧	٧
DESIGN AND DRAWING OF STEEL STRUCTURES	10CV82	٧	٧	
PAVEMENT DESIGN (ELECTIVE)	10CV833	٧	٧	V
URBAN TRANSPORT PLANNING (ELECTIVE)	10CV843	٧	v V	V
PROJECT WORK	10CV85	٧	٧	٧
SEMINAR	10CV86			

ACADEMIC COMMITTEE CONVENER

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road,

Bangalore-560 057

HOD, Dept. of Civil Engy. S.C.E, Bangalore-560 057



SAPTHAGIRI COLLEGE OF ENGINEERING

Department of ECE - AY 2018 -19

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	15MAT11	V			
	ENGINEERING PHYSICS	15PHY12/15PHY22				
	ENGINEERING CHEMISTRY	15CHE12/ 15CHE 22				
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	15CIV13/15CIV23		= 3		
	COMPUTER CONCEPTS AND C PROGRAMMING	15CCP13/15CCP23	V		-	× £
	ELEMENTS OF MECHANICAL ENGINEERING	15EME14 / 15EME24	-			л
	COMPUTER AIDED ENGINEERING DRAWING	15CED14 / 15CED24			e	
1	BASIC ELECTRICAL ENGINEERING	15ELE15/ 15ELE25	٧			
-	BASIC ELECTRONICS	15ELN15 / 15ELN25	٧			
	WORKSHOP PRACTICE	15WSL16/ 15WSL26				
	COMPUTER PROGRAMMING LABORATORY	15CPL16 / 15CPL26	V	53		
	LABORATORY EXPERIMENTS IN ENGINEERING PHYSICS	15PHYL17/15PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	15CHEL17/15CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	15CIP18/15CIP28				
	ENVIRONMENTAL STUDIES	15CIV18/15CIV28				
Ø.	ENGINEERING MATHEMATICS – II	15MAT21	٧			,
	ENGINEERING MATHEMATICS – III	15MAT31	٧	1		
	ANALOG ELECTRONICS	15EC32	V			

	DIGITAL ELECTRONICS	15EC33	٧			
	NETWORK ANALYSIS	15EC34				
	ELECTRONIC INSTRUMENTATION	15EC35	√			
	ENGINEERING				1	
	ELECTROMAGNETICS	15EC36	V	F		
	ANALOG ELECTRONICS LAB	15ECL37	٧			
2	DIGITAL ELECTRONICS LAB	15ECL38	√			
2	ENGINEERING MATHEMATICS – IV	15MAT41	٧			
	MICROPROCESSOR	15EC42	٧			
	CONTROL SYSTEMS	15EC43	٧			
	SIGNALS AND SYSTEMS	15EC44	٧			
2	PRINCIPLES OF COMMUNICATION SYSTEMS	15EC45				-
	LINEAR INTEGRATED CIRCUITS	15EC46	٧			
	LIC AND COMMUNICATION LAB	15ECL47	٧			
	MICROPROCESSOR LAB	15ECL48				
	MANAGEMENT & ENTREPRENEURSHIP DEVELOPMENT	15ES51	. v		Đ	
	DIGITAL SIGNAL PROCESSING	15EC52	V			
	VERILOG HDL	15EC53				
e:	INFORMATION THEORY AND CODING	15EC54				
	OPERATING SYSTEMS	15EC553				
	OBJECT ORIENTED PROGRAMMING USING C++	15EC562				
14	DSP LAB	15ECL57				
	HDL LAB	15ECL58				
3	DIGITAL COMMUNICATION	15EC61	٧			
	ARM MICROCONTROLLER AND EMBEDDED SYSTEMS	15EC62	V	18		4
	VLSI DESIGN	15EC63				
ē	COMPUTER COMMUNICATION					,
. 7	NETWORKS	15EC64	٧			

I	CELLULAR MOBILE			, ,		
	COMMUNICATION	15EC651	√			- 0
	DIGITAL SWITCHING SYSTEMS	15EC654	٧		-	
	DIGITAL SYSTEM DESIGN USING					9
	VERILOG	15EC663			6	
	EMBEDDED CONTROLLER LAB	15ECL67				
	COMPUTER NETWORKS LAB	15ECL68	Ti control of the con			
	MICROWAVE AND ANTENNAS	15EC71	I,			
	DIGITAL IMAGE PROCESSING	15EC72	√			
	POWER ELECTRONICS	15EC73	L.			
	MULTIMEDIA COMMUNICATION	15EC741	√			
	DSP ALGORITHMS AND	an according to the control of the c				
	ARCHITECTURE	15EC751	√		4	
	ADVANCED COMMUNICATION	1500176				
	LAB	15ECL76				
	VLSI LAB PROJECT WORK PHASE 1+	15ECL77				
4	PROJECT WORK SEMINAR	15ECP78				
	WIRELESS CELLULAR AND LTE 4G	1500-2020000		5		
-	BROADBAND	15EC81				
	FIBER OPTICS AND NETWORKS	15EC82	√	-		
	MACHINE LEARNING	15EC834	√			
1	NETWORK AND CYBER SECURITY	15EC835	√	ii.		
	INTERNSHIP/PROFESSIONAL	4.577.00.4				
1	PRACTICE	15EC84				
,	NETWORK AND CYBER SECURITY	15EC836	3 8	Y		
	PROJECT WORK	10ECP85				
	SEMINAR	10ECS86				

Coordinator

8

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

Hod Head of the Department Electronics & Communication Japthogra College of Engineering Bangales, 360 647



SAPTHAGIRI COLLEGE OF ENGINEERING

Department of ECE - AY 2017 -18

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11	٧			
	ENGINEERING PHYSICS	10PHY12/10PHY22				
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22				
9	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	10CIV13/10CIV23				
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23	V			
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24	1			
	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				8 ====
1	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	٧			
-	BASIC ELECTRONICS	10ELN15 / 10ELN25	٧			
	WORKSHOP PRACTICE	10WSL16/ 10WSL26				
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26	V			
	LABORATORY EXPERIMENTS IN ENGINEERING PHYSICS	10PHYL17/10PHYL27	3			
	EMBORTOKI	10CHEL17/10CHEL27	1			
	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	10CIP18/10CIP28				
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28				
	ENGINEERING MATHEMATICS – II	10MAT21	٧			
	ENGINEERING MATHEMATICS – III	10MAT31	V			

	ANALOC
	LOGIC D
	NETWO
	ELECTRO
	FIELD TI
	ANALOC
_	LOGIC D
2	ENGINE
	MICROC
~	CONTRO
	SIGNALS
	FUNDAM
	LINEAR
	MICROC
	HDL LAE
	MANAGI
	ENTREP
	DIGITAL
	ANALOG
	MICROW
	INFORM.
	CODING
	FUNDAM
	DSP LAB
	ANALOG
	LAB
3	DIGITAL
	MICROPI
	MICROE
	ANTENN
	OPERAT

ANALOG ELECTRONIC CIRCUITS	10EC32	V		
LOGIC DESIGN	10EC33	V		2
NETWORK ANALYSIS	10EC34			
ELECTRONIC INSTRUMENTATION	10EC35	٧		
FIELD THEORY	10EC36	٧		
ANALOG ELECTRONICS LAB	10ESL37	٧		, ,
LOGIC DESIGN LAB	10ESL38	٧		
ENGINEERING MATHEMATICS – IV	10MAT41	V		
MICROCONTROLLERS	10EC42	V		
CONTROL SYSTEMS	10EC43	٧		
SIGNALS AND SYSTEMS	10EC44	٧		
FUNDAMENTALS OF HDL	10EC45			
LINEAR ICS AND APPLICATIONS	10EC46	٧		
MICROCONTROLLERS LAB	10ESL47	V		
HDL LAB	10ESL48			
MANAGEMENT &			-	
ENTREPRENEURSHIP	10AL51	V		
DIGITAL SIGNAL PROCESSING	10EC52	٧		
ANALOG COMMUNICATION	10EC53	٧		
MICROWAVES AND RADAR	10EC54			
INFORMATION THEORY AND				
CODING	10EC55			
FUNDAMENTALS OF CMOS VLSI	10EC56			
DSP LAB	10ECL57	٧		
ANALOG COMMUNICATION + LIC LAB	10ECL58	٧		
DIGITAL COMMUNICATION	10EC61	V		
MICROPROCESSOR	10EC62	V		
MICROELECTRONIC CIRCUITS	10EC63			
ANTENNAS AND PROPAGATION	10EC64	8		
OPERATING SYSTEMS	10EC65			
ANALOG AND MIXED MODE VLSI	Control of the Contro			
DESIGN	10EC661			

	1
-	4

SATELLITE COMMUNICTAION	10EC662			Ĭ	
DATA STRUCTURES USING C++	10EC665			- X	
	10EC003		***		
ADVANCED COMMUNICATION	10ECL67				
LAB	10001.00	٧			
MOCROPROCESSOR LAB	10ECL68	V			
COMPUTER COMMUNICATION	10000				7
NETWORKS	10EC71	V			
OPERCAL FURDE COLOR OF THE WORLD	100000				
OPTICAL FIBRE COMMUNICATION	10EC72	٧			
POWER ELECTRONICS	10EC73			P.	
EMBEDDED SYSTEM DESIGN	10EC74	٧			
DSP ALGORITHMS AND					
ARCHITECTURE	10EC751				- 1
IMAGE PROCESSING	10EC763				3
VLSI LAB	10EC77				
POWER ELECTRONICS LAB	10EC78				
WIRELESS COMMUNICATION	10EC81	V			
DIGITAL SWITCHING SYSTEMS	10EC82				w.
NETWORK SECURITY	10EC832				18
MULTIMEDIA COMMUNICATION	10EC841	٧			
PROJECT WORK	10ECP85	٧			
TECHNICAL SEMINAR	10ECS86				

Coordinator

8

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

HoD

Head of the Department

Electronics & Communication;

Sapthagiri College of Engineering

Bangalore, 560 057.



SAPTHAGIRI COLLEGE OF ENGINEERING

Department of ECE - AY 2016 -17

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11	V			-
	ENGINEERING PHYSICS	10PHY12/10PHY22				
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22				
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	10CIV13/10CIV23				
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23	٧			ş.
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24				
	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24	2		AV.	
1	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	٧			
	BASIC ELECTRONICS	10ELN15 / 10ELN25	٧			
	WORKSHOP PRACTICE	10WSL16/ 10WSL26				
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26	V	E		
	LABORATORY EXPERIMENTS IN ENGINEERING PHYSICS	10PHYL17/10PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	10CIP18/10CIP28				
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28				
	ENGINEERING MATHEMATICS – II	10MAT21	٧			15
		10MAT31	٧			
	ANALOG ELECTRONIC CIRCUITS	10EC32	٧			

LOGIC DESIGN	10EC33	√			
NETWORK ANALYSIS	10EC34	1			
ELECTRONIC INSTRUMENTATION	10EC35	٧	3 4	ν	
FIELD THEORY	10EC36	9	2		
ANALOG ELECTRONICS LAB	10ESL37	٧			7
LOGIC DESIGN LAB	10ESL38	√			
ENGINEERING MATHEMATICS – IV	10MAT41	٧			
MICROCONTROLLERS	10EC42	٧			
CONTROL SYSTEMS	10EC43	٧			
SIGNALS AND SYSTEMS	10EC44	٧			
FUNDAMENTALS OF HDL	10EC45				
LINEAR ICS AND APPLICATIONS	10EC46	٧			
MICROCONTROLLERS LAB	10ESL47	٧			
HDL LAB	10ESL48	٧			
MANAGEMENT &					
ENTREPRENEURSHIP	10AL51	٧			100
DIGITAL SIGNAL PROCESSING	10EC52	٧			
ANALOG COMMUNICATION	10EC53	٧			
MICROWAVES AND RADAR	10EC54	٧			
INFORMATION THEORY AND CODING	10EC55				
FUNDAMENTALS OF CMOS VLSI	10EC56	٧			
DSP LAB	10ECL57	٧			
ANALOG COMMUNICATION + LIC LAB	10ECL58	V			
DIGITAL COMMUNICATION	10EC61	٧			
MICROPROCESSOR	10EC62	٧			
MICROELECTRONIC CIRCUITS	10EC63				
ANTENNAS AND PROPAGATION	10EC64				
OPERATING SYSTEMS	10EC65			12	
ANALOG AND MIXED MODE VLSI					
DESIGN	10EC661	. √	,	1	
SATELLITE COMMUNICTAION	10EC662	V			

DATA STRUCTURES USING C++	10EC665				
ADVANCED COMMUNICATION	10ECL67	7	(e)	,	
LAB	TOLCEO	√	*		*
MOCROPROCESSOR LAB	10ECL68	√			
COMPUTER COMMUNICATION					
NETWORKS	10EC71	٧			
OPTICAL FIBRE COMMUNICATION	10EC72	V			2
POWER ELECTRONICS	10EC73				
EMBEDDED SYSTEM DESIGN	10EC74	√		8	
DSP ALGORITHMS AND					
ARCHITECTURE	10EC751	√			A.
IMAGE PROCESSING	10EC763	٧			
VLSI LAB	10EC77	V		1	
POWER ELECTRONICS LAB	10EC78	√		Y)	
WIRELESS COMMUNICATION	10EC81	٧			
DIGITAL SWITCHING SYSTEMS	10EC82	√			
NETWORK SECURITY	10EC832	√			
MULTIMEDIA COMMUNICATION	10EC841	√	198		۵
PROJECT WORK	10ECP85	V			
TECHNICAL SEMINAR	10ECS86	,		т д	

Coordinatotr

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057

Head of the Department
Electronics & Communication
3apthagiri College of Engineering
Bangalori 560 057



SAPTHAGIRI COLLEGE OF ENGINEERING

Department of ECE - AY 2015 -16

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11	V			
	ENGINEERING PHYSICS	10PHY12/10PHY22				
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22				
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	10CIV13/10CIV23				
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23	٧			
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24				
	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24		-		
1	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	٧			
7	BASIC ELECTRONICS	10ELN15 / 10ELN25	٧			
	WORKSHOP PRACTICE	10WSL16/ 10WSL26				
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26	٧			
	LABORATORY EXPERIMENTS IN ENGINEERING PHYSICS	10PHYL17/10PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	10CIP18/10CIP28	43			
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28	1			
	ENGINEERING MATHEMATICS – II	10MAT21	٧			1 ·
	ENGINEERING MATHEMATICS – III	10MAT31	٧			
	ANALOG ELECTRONIC CIRCUITS	10EC32	٧			

2	
3	

LOGIC DESIGN	10EC33			1	
NETWORK ANALYSIS	10EC34	V			
A SHE DESCRIPTION OF SECURITY AND SECURITY OF SECURITY					
ELECTRONIC INSTRUMENTATION	10EC35	٧			
FIELD THEORY	10EC36				
ANALOG ELECTRONICS LAB	10ESL37	√			
LOGIC DESIGN LAB	10ESL38	√			
ENGINEERING MATHEMATICS – IV	10MAT41	V			
MICROCONTROLLERS	10EC42	√			
CONTROL SYSTEMS	10EC43				
SIGNALS AND SYSTEMS	10EC44				
FUNDAMENTALS OF HDL	10EC45				
LINEAR ICS AND APPLICATIONS	10EC46	٧			
MICROCONTROLLERS LAB	10ESL47	V			
HDL LAB	10ESL48	٧			
MANAGEMENT &			Ti .		
ENTREPRENEURSHIP	10AL51	V			
DIGITAL SIGNAL PROCESSING	10EC52	٧			
ANALOG COMMUNICATION	10EC53	0			,
MICROWAVES AND RADAR	10EC54				
INFORMATION THEORY AND					
CODING	10EC55				
FUNDAMENTALS OF CMOS VLSI	10EC56	٧			
DSP LAB	10ECL57	· V			
ANALOG COMMUNICATION + LIC LAB	10ECL58	٧			
DIGITAL COMMUNICATION	10EC61	٧			
MICROPROCESSOR	10EC62	٧			111
MICROELECTRONIC CIRCUITS	10EC63				
ANTENNAS AND PROPAGATION	10EC64				
OPERATING SYSTEMS	10EC65			-	
ANALOG AND MIXED MODE VLSI					
DESIGN	10EC661	٧			
SATELLITE COMMUNICTAION	10EC662				

ADVANCED COMMUNICATION	10DGI (5		41	
LAB	10ECL67			
MOCROPROCESSOR LAB	10ECL68	V		
COMPUTER COMMUNICATION				
NETWORKS	10EC71	V		
OPTICAL FIBRE COMMUNICATION	10EC72	V		1
POWER ELECTRONICS	10EC73			
EMBEDDED SYSTEM DESIGN	10EC74	V		
DSP ALGORITHMS AND				
ARCHITECTURE	10EC751	√	12 (4)	
IMAGE PROCESSING	10EC763	V		
VLSI LAB	10EC77	V		
POWER ELECTRONICS LAB	10EC78	√		
WIRELESS COMMUNICATION	10EC81	V		
DIGITAL SWITCHING SYSTEMS	10EC82	√		
NETWORK SECURITY	10EC832	٧		
MULTIMEDIA COMMUNICATION	10EC841	V .		4
PROJECT WORK	10ECP85	V		

Coordinator

TECHNICAL SEMINAR

DATA STRUCTURES USING C++

10EC665

10ECS86

8

4

Head of the Department
Electronics & Communication
Bangalor 560 057



SAPTHAGIRI COLLEGE OF ENGINEERING

Department of ECE - AY 2014 -15

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11	V			
	ENGINEERING PHYSICS	10PHY12/10PHY22	V			
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22				
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	10CIV13/10CIV23				
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23	٧			
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24		1		
	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				
1	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	٧			
	BASIC ELECTRONICS	10ELN15 / 10ELN25	V			
	WORKSHOP PRACTICE	10WSL16/ 10WSL26				
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26	V			
	LABORATORY EXPERIMENTS IN ENGINEERING PHYSICS	10PHYL17/10PHYL27	·			
	STATIONI	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	10CIP18/10CIP28				
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28	11. 12. 12. 12. 12. 12. 12. 12. 12. 12.			^
	ENGINEERING MATHEMATICS – II	IOMAT21	٧	*		
		0MAT31	V			
	ANALOG ELECTRONIC CIRCUITS 1	0EC32	V			

LOGIC DESIGN	10EC33	V		
NETWORK ANALYSIS	10EC34			
ELECTRONIC INSTRUMENTATION	10EC35	V		
FIELD THEORY	10EC36			
ANALOG ELECTRONICS LAB	10ESL37	V		
LOGIC DESIGN LAB	10ESL38	√		
ENGINEERING MATHEMATICS – I	V 10MAT41	V		
MICROCONTROLLERS	10EC42	V		
CONTROL SYSTEMS	10EC43	٧		
SIGNALS AND SYSTEMS	10EC44	٧		
FUNDAMENTALS OF HDL	10EC45	28		
LINEAR ICS AND APPLICATIONS	10EC46	V		
MICROCONTROLLERS LAB	10ESL47	V		
HDL LAB	10ESL48	V		
MANAGEMENT & ENTREPRENEURSHIP	10AL51	٧		
DIGITAL SIGNAL PROCESSING	10EC52	٧		
ANALOG COMMUNICATION	10EC53	V		
MICROWAVES AND RADAR	10EC54	√		
NFORMATION THEORY AND CODING	10EC55			
UNDAMENTALS OF CMOS VLSI	10EC56			
OSP LAB	10ECL57	V	1	
NALOG COMMUNICATION + LIC AB	10ECL58	٧		
IGITAL COMMUNICATION	10EC61	√		
IICROPROCESSOR	10EC62	√		
ICROELECTRONIC CIRCUITS	10EC63			
NTENNAS AND PROPAGATION	10EC64			
PERATING SYSTEMS	10EC65			
NALOG AND MIXED MODE VLSI ESIGN	10EC661			
TELLITE COMMUNICTAION	10EC662	√		

1

DATA STRUCTURES USING C++	10EC665				Α
ADVANCED COMMUNICATION LAB	10ECL67	٧	*	5	
MOCROPROCESSOR LAB	10ECL68	٧			
COMPUTER COMMUNICATION NETWORKS	10EC71	٧			
OPTICAL FIBRE COMMUNICATION	10EC72	v			2
POWER ELECTRONICS	10EC73				
EMBEDDED SYSTEM DESIGN	10EC74	√			
DSP ALGORITHMS AND ARCHITECTURE	10EC751	٧			-
IMAGE PROCESSING	10EC763	٧			
VLSI LAB	10EC77	V			
POWER ELECTRONICS LAB	10EC78	٧			
WIRELESS COMMUNICATION	10EC81	٧			
DIGITAL SWITCHING SYSTEMS	10EC82	٧			
NETWORK SECURITY	10EC832	V			
MULTIMEDIA COMMUNICATION	10EC841	. 1		E)	
PROJECT WORK	10ECP85	٧			
TECHNICAL SEMINAR	10ECS86				2

Coordinator

8

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

Head of Department
Electronics & Communication
3apthagiri College of Engineering
Bangalore, 560 057.



SAPTHAGIRI COLLEGE OF ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING AY 2018-2019

project.	COURSE NAME	COURSE CODE	PROJECT	FIELD	INTERNSHIP	MINI
YEAR	COURSE NAME	COUNCE COLL	WORK	WORK		PROJECT
	Engineering Mathematics-I	15MAT11	٧		٧	
	Engineering Mathematics-II	15MAT21	٧		٧	
Chemistry	Engineering Chemistry	15CHE12/15CHE22				
cycle 1 st	C-programming & data structure	15PCD13/15PCD23	¥			
year	Computer Aided Engineering Drawing	15CED14/15CED24				
	Basic Electronics	15ELEN15/15ELN25	٧		V	
	Engineering Mathematics-I	15MAT11	٧	II g	٧	
	Engineering Mathematics-II	15MAT11	٧		٧	
	Engineering Physics	15PHY12/15PHY22				10
	Elements Of Civil Engineering	15CIV13/15CIV23	٧		٧	
Physics	Elements Of Mechanical Engineering	15EME14/15EME24				
cycle	Basic Electrical Engineering	15ELE15/15ELE25				
1 st year	Constitution Of India ,Professional Ehics And Human Rights	15CPH18/15CPH28				
	Workshop Practice Lab	15WSL16/15WSL26	* *		-	
	Engineering Physics Lab	15PHY17/15PHY22	V			
2 ND YEAR	Engineering Mathematics-III	15MAT31	٧		V	
Z ILAN	Electric Circuit Analysis	15EE32	V	1.0	V	
	Transformers and Generators	15EE33	٧	24	V	
	Analog Electronic Circuits	15EE34	V		√	
	Digital System Design	15EE35	V		V	
	Electrical and Electronic Measurements	15EE36	V		V	

	Electrical Machines Laboratory -1	15EEL37	√	V
	Electronics Laboratory	15EEL38	√	V
	Engineering Mathematics-IV	15MAT41	· 1	V
	Power Generation and Economics	15EE42	√	V
	Transmission and Distribution	15EE43	√	V
	Electric Motors	15EE44	V	V
	Electromagnetic Field Theory	15EE45	V	V
	Operational Amplifiers and Linear ICs	15EE46	V	V
	Electrical Machines Laboratory -2	15EEL47	V	V
	Op- amp and Linear ICs Laboratory	15EEL48	٧	. 1
3 rd YEAR	Management and Entrepreneurship	15EE51		
) ILAN	Microcontroller	15EE52	V	V
	Power Electronics	15EE53	٧	V
	Signals and Systems	15EE54	٧	V
	Microcontroller Laboratory	15EEL57	V	V
	Power Electronics Laboratory	15EEL58	√	V
	Introduction to Nuclear Power	15EE551	V	V
	Electrical Engineering Materials	15EE552	√	√
	Estimating and Costing	15EE553	√	V
	Special Electrical Machines	15EE554	v	√
	Control Systems	15EE61	٧	V
	Power System Analysis – 1	15EE62	V	V
	Digital Signal Processing	15EE63	V	V
	Electrical Machine Design	15EE64	V	V
	Control System Laboratory	15EEL67	٧	٧
	Digital Signal Processing Laboratory	15EEL68	V	V
	Computer Aided Electrical Drawing	15EE651	٧	V
	Advanced Power Electronics	15EE652	v	V
£1	Energy Audit and Demand side		V	V
		15EE653		
	Management Solar and Wind Energy	15EE654	V	V
	Advanced Power Electronics	15EE652	V	√
		32.00	V	√
	Energy Audit and Demand side	15EE653		
	Management Solar and Wind Energy	15EE654	V	V

	Power System Analysis - 2	15EE71	V	٧	
	Power System Protection	15EE72	٧	V	
	High Voltage Engineering	15EE73	V	٧ .	
	Power system Simulation Laboratory	15EEL76			
	Rely and High Voltage Laboratory	15EEL77	٧	٧	
	Project Phase – I + Seminar	15EEP78	√	٧	
	Advanced Control Systems	15EE741	٧	V	
	Utilization of Electrical Power	15EE742	٧	V	
	Carbon Capture and Storage	15EE743	√	V	
	Power System Planning	15EE744	√	√	
	FACTs and HVDC Transmission	15EE751	√	٧	
	Testing and Commissioning of Power	15EE752	٧	V	
4 TH YEAR	System Apparatus				
T 12/11	Spacecraft Power Technologies	15EE753	٧	√	
	Industrial Heating	15EE754	٧	√	
	Power System Operation and Control	15EE81	٧	√	
	Industrial Drives and Applications	15EE82	٧	V	
	Internship / Professional Practice	15EE84	٧	√	
	Project Work Phase -II	15EEP85	٧	٧	
	Seminar	15EES86	V .	٧	
	Smart Grid	15EE831	√	٧	
	Operation and Maintenance of Solar	15EE832	V	٧	
*	Electric Systems	9		12	
	Integration of Distributed Generation	15EE833	٧	٧	
	Power System in Emergencies	15EE834	√	V	

Academic committee convener

Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057

EEE-HOD
PROF & HOD
PROF & HOD
Separtment of Electrical & Electronics Engineering
Sapahagari College of Engineering
Bangalore - 560057.



SAPTHAGIRI COLLEGE OF ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING AY 2017-2018

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	14MAT11	٧			
	ENGINEERING PHYSICS	14PHY12/14PHY22				
	ENGINEERING CHEMISTRY	14CHE12/ 14CHE22			1000	
	ELEMENTS OF CIVIL ENGINEERING &	14CIV13/14CIV23				
	ENGINEERING MECHANICS COMPUTER CONCEPTS AND C	14CCP13/14CCP23	٧		٧ .	-
	PROGRAMMING ELEMENTS OF MECHANICAL ENGINEERING	14EME14 / 14EME24			3	
	COMPUTER AIDED ENGINEERING DRAWING	14CED14 / 14CED24				
1 ST	BASIC ELECTRICAL ENGINEERING	14ELE15/ 14ELE25	٧			
YEAR	BASIC ELECTRONICS	14ELN15 / 14ELN25	٧			
ILAN	WORKSHOP PRACTICE	14WSL16/ 14WSL26			700	
	COMPUTER PROGRAMMING LABORATORY	14CPL16 / 14CPL26	٧		٧	
	LABORATORY EXPERIMENTS IN ENGINEERING PHYSICS	14PHYL17/14PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	14CHEL17/14CHEL27				
	CONSTITUTION OF INDIA AND	14CIP18/14CIP28				
	PROFESSIONAL ETHICS					
	ENVIRONMENTAL STUDIES	14CIV18/14CIV28			*	
	ENGINEERING MATHEMATICS – II	14MAT21	٧		V	
2 ND	ENGINEERING MATHEMATICS-III	10MAT31	٧		V	. 1
YEAR	Analog Electronic Circuits	10ES32	V		V	

	Logic Design	10ES33	٧		٧	
	Network Analysis	10ES34	V		٧	
	Electrical and Electronic Measurements and	10EE35	٧		V	×
	Instrumentation					24
	Electric Power Generation	10EE36		٧	٧	
	Analog Electronics Lab	10ESL37	٧		V	
	Logic Design Lab	10ESL38	٧		٧	
	ENGINEERING MATHEMATICS-IV	10MAT41	V		٧	
	Microcontrollers	10ES42	٧		٧	
	Control Systems	10ES43	٧		٧	
	Field Theory	10EE44	٧		٧	
	Power Electronics	10EE45	٧		٧	
	Transformers and Induction Machines	10EE46	٧		٧	
	Microcontrollers Lab	10ESL47	٧		٧	
	Power Electronics Lab	10EEL48	٧		٧	
3 rd	Management and Entrepreneurship	10AL51	٧٠		٧	
YEAR	Signals and System	10EE52	V .		٧	н
1 = 7 111	Transmission and Distribution	10EE53	٧		٧	
	DC Machines and Synchronous Machines	10EE54	٧		٧	.3
	Modern Control Theory	10EE55	√		٧	
2.0	Linear IC's and Applications	10EE56	V	88	٧	
	Measurements and Circuit Simulation Laboratory	10EEL57	٧		٧	
	Transformers and Induction Machines Laboratory	10EEL58	٧		٧	
	Power System Analysis and Stability	10EE61	√		٧	
	Switchgear and Protection	10EE62	√		V	
	Electrical Machine Design	10EE63	٧		٧	
	Digital Signal Processing	10EE64	٧		٧	
	CAED(Computer Aided Electrical Drawing)	10EE65	٧		V	
	Operation Research	10EE661	V		V	
	Advanced Power Electronics	10EE662	√	2.	٧	
	DC machines and Synchronous Machines Laboratory	10EEL67	٧		٧	a a
	Control System Laboratory	10EEL68	٧		V	
4 TH	Computer techniques in Power system	10EE71	V		V	* II

YEAR	analysis				V	
,	Electrical Power Utilization	10EE72	٧			
2	High Voltage Engineering	10EE73	٧	N.	V .	9
	Industrial Drives and Applications	10EE74	٧		٧	
Į.s	Testing and commissioning of Electrical	10EE756	V		V	
	Equipment	10EE756	V		٧	
	Electromagnetic Compatibility	10EEL77				
	Relay and High Voltage Laboratory	10EEL78	٧		٧	
	Power System Simulation Laboratory		v		√	
	Electrical Design, Estimating and costing	10EE81			V	
	Power system operation and control	10EE82	V		V	
	Renewable energy Sources	10EE836	٧			
	Energy auditing and Demand Side	10EE842	٧		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	Management				V	
	Project work	10EE85	٧			*
	Seminar	10EES86	٧		٧	<u> </u>

Academic committee convener

Principal
Sapthägiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore, 860 057

PROF & HOD

Department of Electrical & Electronics Engineering
Sapthagiri College of Engineering
Bangalore - 560057.



SAPTHAGIRI COLLEGE OF ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING AY 2016-2017

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
			Words			
	ENGINEERING MATHEMATICS-I	10MAT11	٧			
	ENGINEERING PHYSICS	10PHY12/10PHY22	14	87		
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22				
	ELEMENTS OF CIVIL ENGINEERING &	10CIV13/10CIV23				
	ENGINEERING MECHANICS		-			
	COMPUTER CONCEPTS AND C	10CCP13/10CCP23	٧		√	
	PROGRAMMING	je d			3/1	
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24				
	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24	#1 (W)			
1 ST	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	٧			
YEAR	BASIC ELECTRONICS	10ELN15 / 10ELN25	٧			
	WORKSHOP PRACTICE	10WSL16/ 10WSL26				
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26	٧		٧	
	LABORATORY EXPERIMENTS IN	10PHYL17/10PHYL27				
	ENGINEERING PHYSICS			13		,
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27			1	
	CONSTITUTION OF INDIA AND	10CIP18/10CIP28				=
	PROFESSIONAL ETHICS					
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28	4 4	-		* -
	ENGINEERING MATHEMATICS – II	10MAT21	٧			
2 ND	ENGINEERING MATHEMATICS-III	10MAT31	٧		V	
YEAR	Analog Electronic Circuits	10ES32	V	1	٧	l

	Logic Design	10ES33	٧		٧	
	Network Analysis	10ES34	٧		٧	
	Electrical and Electronic Measurements and	10EE35	٧		v	· ·
	Instrumentation					_
	Electric Power Generation	10EE36		٧	V	
	Analog Electronics Lab	10ESL37	٧		V	
	Logic Design Lab	10ESL38	٧		٧	+
	ENGINEERING MATHEMATICS-IV	10MAT41	٧		٧	
	Microcontrollers	10ES42	٧		٧	
	Control Systems	10ES43	٧		٧	
	Field Theory	10EE44	V		٧	
	Power Electronics	10EE45	٧		٧	
	Transformers and Induction Machines	10EE46	٧		٧	
	Microcontrollers Lab	10ESL47	٧		٧	
	Power Electronics Lab	10EEL48	V		V	
3 rd	Management and Entrepreneurship	10AL51	٧		√	
YEAR	Signals and System	10EE52	V		V .	
ILAN	Transmission and Distribution	10EE53	V		√	
	DC Machines and Synchronous Machines	10EE54	٧		V	
	Modern Control Theory	10EE55	٧		٧	
	Linear IC's and Applications	10EE56	٠V		V	F 40
	Measurements and Circuit Simulation Laboratory	10EEL57	٧		٧	
6	Transformers and Induction Machines Laboratory	10EEL58	V		٧	-
	Power System Analysis and Stability	10EE61	٧		V	
	Switchgear and Protection	10EE62	V		٧	
	Electrical Machine Design	10EE63	٧		٧	
	Digital Signal Processing	10EE64	V	12.	٧	
	CAED(Computer Aided Electrical Drawing)	10EE65	V		٧	
	Operation Research	10EE661	V		V	
	Advanced Power Electronics	10EE662	V		٧	-
	DC machines and Synchronous Machines	10EEL67	V		٧	
	Laboratory	1022207				
	Control System Laboratory	10EEL68	٧		٧	-
4 TH	Computer techniques in Power system	10EE71	٧		V	

EAR	analysis			V	
	Electrical Power Utilization	10EE72	√		
	High Voltage Engineering	10EE73	V	V	
	Industrial Drives and Applications	10EE74	V	V	
	Testing and commissioning of Electrical Equipment	10EE756	V	V	
	Electromagnetic Compatibility	10EE756	V	٧	
	Relay and High Voltage Laboratory	10EEL77			
	Power System Simulation Laboratory	10EEL78	V	V	
	Electrical Design, Estimating and costing	10EE81	V	V	
	Power system operation and control	10EE82	√	V	
	Renewable energy Sources	10EE836	√	٧	
	Energy auditing and Demand Side	10EE842	٧	٧	
	Management	10EE85	٧	٧	l I
	Project work	10EE88	· V	٧	540

Academic committee convener

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalere- 560 057

EEE-HOD
PROF & HOD
Department of Electrical & Electronics Engineering
Sapthaghi College of Engineering
Bangalore - 560057.



SAPTHAGIRI COLLEGE OF ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING AY 2015-2016

YEAR	COURSE NAME	COURSE CODE	PROJECT	FIELD	INTERNSHIP	MINI PROJECT
			WORK	WORK		TROJECT
	ENGINEERING MATHEMATICS-I	10MAT11	٧			
	ENGINEERING PHYSICS	10PHY12/10PHY22	=			-
39	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22				
-	ELEMENTS OF CIVIL ENGINEERING &	10CIV13/10CIV23				
	ENGINEERING MECHANICS					
	COMPUTER CONCEPTS AND C	10CCP13/10CCP23	٧		V	
	PROGRAMMING	F-1				
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24				
	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				<u> </u>
1 ST	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	٧			
YEAR	BASIC ELECTRONICS	10ELN15 / 10ELN25	√			
	WORKSHOP PRACTICE	10WSL16/ 10WSL26				
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26	٧		٧	
	LABORATORY EXPERIMENTS IN	10PHYL17/10PHYL27	1			
	ENGINEERING PHYSICS		3			
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND	10CIP18/10CIP28		×		
	PROFESSIONAL ETHICS					
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28	2	17		
	ENGINEERING MATHEMATICS – II	10MAT21	٧			
2 ND	ENGINEERING MATHEMATICS-III	10MAT31	٧		٧	
YEAR	Analog Electronic Circuits	10ES32	V	1,-	V	

	Logic Design	10ES33	V		V	
	Network Analysis	10ES34	٧		٧	
	Electrical and Electronic Measurements and	10EE35	. V		v	
	Instrumentation			No.		
	Electric Power Generation	10EE36		٧	V	
	Analog Electronics Lab	10ESL37	V		٧	
	Logic Design Lab	10ESL38	٧		√	
	ENGINEERING MATHEMATICS-IV	10MAT41	٧		٧	
	Microcontrollers	10ES42	٧		√	
	Control Systems	10ES43	٧		٧	
	Field Theory	10EE44	٧		٧	
	Power Electronics	10EE45	٧		٧	
	Transformers and Induction Machines	10EE46	٧		٧	
	Microcontrollers Lab	10ESL47	٧		٧	
	Power Electronics Lab	10EEL48	٧		٧	
3 rd	Management and Entrepreneurship	10AL51	√	95	٧	
YEAR	Signals and System	10EE52	٧	0	٧	
ILAN	Transmission and Distribution	10EE53	V		٧	
	DC Machines and Synchronous Machines	10EE54	٧		- V	
	Modern Control Theory	10EE55	٧	0	٧	
	Linear IC's and Applications	10EE56	V		V	
	Measurements and Circuit Simulation Laboratory	10EEL57	٧		٧	-
	Transformers and Induction Machines Laboratory	10EEL58	٧		٧	
	Power System Analysis and Stability	10EE61	٧		√	
	Switchgear and Protection	10EE62	٧		√	
	Electrical Machine Design	10EE63	٧		√	
	Digital Signal Processing	10EE64	V	× 1	V	×
	CAED(Computer Aided Electrical Drawing)	10EE65	V		√	
	Operation Research	10EE661	٧		V	
	Advanced Power Electronics	10EE662	٧		V	
	DC machines and Synchronous Machines	10EEL67	V		V	
	Laboratory	6-00-00-00-00-00-00-00-00-00-00-00-00-00			1	
	Control System Laboratory	10EEL68	V		٧	
4 TH	Computer techniques in Power system	10EE71	V		√	

YEAR	analysis				
	Electrical Power Utilization	10EE72	٧	<u>k</u>]	V
	High Voltage Engineering	10EE73	. 1		√ .
	Industrial Drives and Applications	10EE74	٧		V
	Testing and commissioning of Electrical	10EE756	٧	4	V
	Equipment Electromagnetic Compatibility	10EE756	٧		٧
	Relay and High Voltage Laboratory	10EEL77			
	Power System Simulation Laboratory	10EEL78	٧		V
	Electrical Design, Estimating and costing	10EE81	٧		V
	Power system operation and control	10EE82	٧		V
	Renewable energy Sources	10EE836	V		V
	Energy auditing and Demand Side	10EE842	٧		V
	Management				
	Project work	10EE85	٧		V
	Seminar	10EES86	V		V

Academic committee convener

EEE-HOD

PROF & HOD

Sapthagiri College of Engineering Bangalore - 560057.

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057



SAPTHAGIRI COLLEGE OF ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING AY 2014-2015

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11	٧			
	ENGINEERING PHYSICS	10PHY12/10PHY22				
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22				
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	10CIV13/10CIV23	o			
	COMPUTER CONCEPTS AND C	10CCP13/10CCP23	٧		V	
	PROGRAMMING	10EME14 / 10EME24				
	ELEMENTS OF MECHANICAL ENGINEERING	10CED14 / 10CED24				
unitati o	COMPUTER AIDED ENGINEERING DRAWING	10ELE15/ 10ELE25	٧		¥	
1 ST	BASIC ELECTRICAL ENGINEERING	10ELN15 / 10ELN25	٧			
YEAR	BASIC ELECTRONICS	10WSL16/ 10WSL26				
	WORKSHOP PRACTICE	10CPL16 / 10CPL26	V		٧	
	COMPUTER PROGRAMMING LABORATORY	10PHYL17/10PHYL27	-			
	LABORATORY EXPERIMENTS IN ENGINEERING PHYSICS	A STATE OF THE STA				
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND	10CIP18/10CIP28				
	PROFESSIONAL ETHICS					
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28				
	ENGINEERING MATHEMATICS – II	10MAT21	٧			-
2 ND	ENGINEERING MATHEMATICS-III	10MAT31	٧		V	
YEAR	Analog Electronic Circuits	10ES32	٧		٧	

	Logic Design	10ES33	V		V	
	Network Analysis	10ES34	V		٧	
	Electrical and Electronic Measurements and	10EE35	√	* _	٧	
	Instrumentation	105505		V	V	
	Electric Power Generation	10EE36	V		V	
	Analog Electronics Lab	10ESL37			V	
	Logic Design Lab	10ESL38	V		V	
	ENGINEERING MATHEMATICS-IV	10MAT41	V		V	
	Microcontrollers	10ES42	V		V	
	Control Systems	10ES43	V		V	
	Field Theory	10EE44	٧		V	
	Power Electronics	10EE45	٧	-	V	
	Transformers and Induction Machines	10EE46	٧		V	
	Microcontrollers Lab	10ESL47	٧			
	Power Electronics Lab	10EEL48	٧		٧	
rd	Management and Entrepreneurship	10AL51	٧	3	٧	
	Signals and System	10EE52	٧		V	
EAR	Transmission and Distribution	10EE53	٧		V	
	DC Machines and Synchronous Machines	10EE54	V	1	V	
	Modern Control Theory	10EE55	V		٧	
	Linear IC's and Applications	10EE56	V	- 2	٧	
	Measurements and Circuit Simulation	10EEL57	٧		V	
	Laboratory Transformers and Induction Machines	10EEL58	٧		٧	¥.
	Laboratory	10EE61	V		٧	
	Power System Analysis and Stability	10EE62	V		٧	
	Switchgear and Protection	10EE63	V		٧	
	Electrical Machine Design	10EE64	V	1	٧	
	Digital Signal Processing	10EE65	V		V	
	CAED(Computer Aided Electrical Drawing)	10EE661	V		٧	
	Operation Research	10EE662	V		√	
	Advanced Power Electronics	10EEL67	V		V	
	DC machines and Synchronous Machines	TOEELO/	1.			,
	Laboratory	10EEL68	٧		٧	
	Control System Laboratory		V		٧	
4 TH	Computer techniques in Power system	10EE71	V			

YEAR	analysis			_	V	
ILAN	Electrical Power Utilization	10EE72	٧			
	High Voltage Engineering	10EE73	٧		V	
	Industrial Drives and Applications	10EE74	V	19	٧	
	Testing and commissioning of Electrical	10EE756	V		V	
	The state of the s	Section Card Section	1.00			, I)
	Equipment	10EE756	V		V	
	Electromagnetic Compatibility	10EEL77				
	Relay and High Voltage Laboratory		V		V	
	Power System Simulation Laboratory	10EEL78			V	
	Electrical Design, Estimating and costing	10EE81	V		V	
	Power system operation and control	10EE82	V			
	Renewable energy Sources	10EE836	٧		V	
	Energy auditing and Demand Side	10EE842	V	22	٧	
	Management	10EE85	V		٧	
	Project work Seminar	10EES86	٧		٧	

Academic committee convener

EEE-HOD

PROF & HOD

Pepartment of Electrical & Electronics Engineering
Sapthagiri College of Engineering
Bangalore - 560057.

Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057



APTHAGIRI COLLEGE OF ENGINEERING DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2018-19

YEAR	COURSE NAME	COURSE CODE	PROJECT	FIELD	INTERNSHIP	MINI
	Desired Made I		WORK	WORK		PROJECT
	Engineering Maths-I	15MAT11	V	1	٧	
	Engineering Physics	15PHY12/22				
	Elements of Civil Engineering & Mechanics	15CIV13/23				
	Elements of Mechanical Engineering	15EME14/24				
	Basic Electrical Engineering	15ELE15/25				
	Workshop Practice	15WSL16/26				
1 ST	Engineering Physics Lab	15PHYL17/27				
YEAR	Engineering Maths-II	15MAT21	٧		V	
IEAK	Engineering Chemistry	15CHE22/12				
	Programming in C & Data Structures	15PCD23/13	V		V	
	Computer Aided Engineering Drawing	15CED24/14				
	Basic Electronics	15ELN25/15				
	Computer programming laboratory	15CPL26/16	V		V	
	Engineering chemistry laboratory	15CHL27/17				
	Constitution of india and professional ethics	15CIP28/18		1		
	Environmental studies	15CIV28/18				
	Engineering Mathematics - III	15MAT31	V		V	
	Analog and Digital Electronics	15CS32	V		V	
	Data Structures and Applications	15CS33	V		V	
	Computer Organization	15CS34	V		V	
	Unix and Shell Programming	15CS35	V		V	
2 ND	Discrete Mathematical structures	15CS36	V		V	
YEAR	Analog and Digital Electronics Laboratory	15CSL37	V		V	
	Data Structures and Applications	15CSL38	V		V	
	Laboratory					
	Engineering Mathematics - IV	15MAT41	V		V	
	Software Engineering	15CS 42	V		V	
	Design and Analysis of Algorithms	15CS43	V		V	
	Microprocessors and Microcontrollers	15CS 44	V		V	



APTHAGIRI COLLEGE OF ENGL. CERING DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2018-19

	Object Oriented Concepts	15CS45	٧	V	
	Data Communication	15CS46	V	V	
	Design and Analysis of Algorithm Laboratory	15CSL47	V	٧	
	Microprocessors Laboratory	15CSL48	V	V	,
	Management and Entrepreneurship for IT	15CS51	V	٧	
	Computer Networks	15CS52	V	V	
	Database Management System	15CS53			
3 RD	Automata theory and Computability	15CS54	V	V	
YEAR	Advanced JAVA and J2EE	15CS553	V	V	
	Cloud Computing	15CS564	V	V	
	Computer Network Laboratory	15CSL57	V	V	
	DBMS Laboratory with mini project	15CSL58	٧	٧	٧
	Cryptography, Network Security and Cyber	15CS61	V	٧	
	File Structures	15IS62	V	٧	
	Software Testing	15IS63	V	√	
	Operating Systems	15CS64	V	٧	
	Operation research	15CS653			
	Python Application Programming	15CS664	V	V	
	Software Testing Laboratory	15ISL67	V	٧	
	File Structures Laboratory with mini project	15ISL68	V	V	V
4 TH	Web technology and its applications	15CS71	V	V	
YEAR	Software architecture and design patterns	15IS72	V	V	
	Machine learning	15CS73	V	٧	
	Unix system programming	15CS744			ii ii
	Storage area networks	15CS754			
	Machine learning laboratory	15CSL76	V	٧	
	Web technology laboratory with mini	15CSL77	V	٧	V



APTHAGIRI COLLEGE OF ENG. EERING DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2018-19

Internet of things technology	15CS81	V	V
Big data analytics	15CS82	V	V
System modelling and simulation	15CS834		
Internship / professional practice	15CS84		-
Project work phase II	15CSP85		
Seminar	15CSS86		

ACADEMIC COMMITTEE CONVENER

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road,

Bangalore-560 057

HOD

Dr H.R. Ranganaina Prof. & H.O.D

Dept.of Information Science & Engg.
Sapthagiri College of Engineering
14/5 Chikkasandra, Hesaraghatta Main Road
BENGALURU-560 057



APTHAGIRI COLLEGE OF ENGL CERING DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2017-18

YEAR	COURSE NAME	COURSE CODE	PROJECT	FIELD	INTERNSHIP	MINI
	51101115551110 1 1 1 1 1 1 1 1 1 1 1 1 1	a sectional of	WORK	WORK		PROJECT
	ENGINEERING MATHEMATICS-I	14MAT11	٧			
	ENGINEERING PHYSICS	14PHY12/14PHY22				
	ENGINEERING CHEMISTRY	14CHE12/ 14CHE 22				
	ELEMENTS OF CIVIL ENGINEERING &	14CIV13/14CIV23				
	ENGINEERING MECHANICS	100 FOR 100 AND				
	COMPUTER CONCEPTS AND C PROGRAMMING	14CCP13/14CCP23	٧		٧	
	ELEMENTS OF MECHANICAL ENGINEERING	14EME14 / 14EME24				
1 ST	COMPUTER AIDED ENGINEERING DRAWING	14CED14 / 14CED24				
YEAR	BASIC ELECTRICAL ENGINEERING	14ELE15/ 14ELE25	٧			
	BASIC ELECTRONICS	14ELN15 / 14ELN25	٧			
	WORKSHOP PRACTICE	14WSL16/ 14WSL26				
	COMPUTER PROGRAMMING LABORATORY	14CPL16 / 14CPL26	٧		٧	
	LABORATORY EXPERIMENTS IN ENGINEERING	14PHYL17/14PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	14CHEL17/14CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL	14CIP18/14CIP28				
	ENVIRONMENTAL STUDIES	14CIV18/14CIV28				
	ENGINEERING MATHEMATICS – II	14MAT21	٧			
	ENGINEERING MATHEMATICS-III	10MAT31	٧		V	
	ELECTRONIC CIRCUITS	10CS32	٧		V	
	LOGIC DESIGN	10CS33	٧		V	
2 ND	DISCRETE MATHEMATICAL STRUCTURES	10CS34	٧		V	
YEAR	DATA STRUCTURES WITH C	10CS35	٧		V	
	OBJECT ORIENTED PROGRMMING WITH C++	10CS36	٧		V	
	DATA STRUCTURES WITH C/C++ LABORATORY	10CSL37	V		V	
	ELECTRONIC CIRCUITS AND LOGIC DESIGN	10CSL38	٧		V	
	LABORATORY				*	



APTHAGIRI COLLEGE OF ENGL CERING DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2017-18

	ENGINEERING MATHEMATICS-IV	10MAT41	V	V	
	GRAPH THEORY AND COMBINATORICS	10CS42	V	٧	
	DESIGN AND ANALYSIS OF ALGORITHM	10CS43	V	V	
	UNIX AND SHELL PROGRAMMING	10CS44	V	V	я.
	MICROPROCESSORS	10CS45	V	V	
	COMPUTER ORGANIZATION	10CS46	V	V	
	DESIGN AND ANALYSIS OF ALGORITHM	10CSL47	V	V	
	LABORATORY			,	
	MICROPROCESSORS LABORATORY	10CSL48	V	٧	
	SOFTWARE ENGINEERING	10 551	٧	V	
	SYSTEMS SOFTWARE	10CS52			
	OPERATING SYSTEM	10CS53	V	V	
3 RD	DATABASE MANAGEMENT SYSTEMS	10CS54	V	V	
YEAR	COMPUTER NETORKS-I	10CS55	V	V	
	FORMAL LANGUAGES AND AUTOMATA	10CS56			
	THEORY		2		
	DATABASE APPLICATIONS LABORATORY	10CSL57	٧	V	V
	SYSTEMS SOFTWARE & OPERATING SYSTEM	10CSL58	V	V	
	LABORATORY				
	MANAGEMENT AND ENTREPRENEURSHIP	10CS61			
	UNIX SYSTEM PROGRAMMING	10CS62	V	V	
	FILE STRUCTURES	10IS63		V	
	COMPUTR NETWORKS-II	10CS64	V	V	
	SOFTWARE TESTING	10IS65	V	V	
	OPERATIONS RESEARCH	10CS661			
	FILE STRUCTURES LABORATORY	10ISL67			√
	SOFTWARE TESTING LABORATORY	10ISL68	V	V	-
		40.505.05.05.05)	(35)	V	
4 TH	OBJECT-ORIENTED MODELING AND DESIGN	10CS71	V	V	
YEAR	INFORMATION SYSTEMS	10IS72	V	V	
	PROGRAMMING THE WEB	10CS73	V	V	



APTHAGIRI COLLEGE OF ENGLE CERING **DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2017-18**

DATA WAREHOUSING AND DATA MINING	10IS74	V	V	
JAVA AND J2EE	10CS753	V	V	
C# PROGRAMMING AND .NTET	10 \$761	V	V	
NETWORKS LABORATORY	10CSL77	V	٧	
WEB PROGRAMMING LABORATORY	10CSL78	V	V	V
SOFTWARE ARCHITECTURES	10CS81	V	. v	
SYSTEM MODELING AND SIMULATION	10CS82	. 🗸	V	
INFORMATION AND NETWORK SECURITY	10 \$835	٧	٧	
AD-HOC NETWORKS	10CS841	V	V	
PROJECT WORK	10CS85	٧	√	
SEMINAR	10CS86			

ACADEMIC COMMITTEE CONVENER

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-550 057

HOD

Dr H.R. Ranganatha Prof. & H.O.D

Dept.of Information Science & Engg. Sapthagiri College of Engineering # 14/5 Chikkasandra, Hesaraghatta Main Road BENGALURU-560 057



APTHAGIRI COLLEGE OF ENG EERING DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2016-17

YEAR	COURSE NAME	COURSE CODE	PROJECT	FIELD	INTERNSHIP	MINI
	ENCINEEDING MATHEMATICS I		WORK	WORK		PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11	V			
	ENGINEERING PHYSICS	10PHY12/10PHY22				
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22				
	ELEMENTS OF CIVIL ENGINEERING &	10CIV13/10CIV23				
	ENGINEERING MECHANICS		V2.			
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23	٧		٧	
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24				
1 ST	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				
YEAR	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	٧			
	BASIC ELECTRONICS	10ELN15 / 10ELN25	٧			
	WORKSHOP PRACTICE	10WSL16/ 10WSL26				
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26	٧		V	
	LABORATORY EXPERIMENTS IN ENGINEERING	10PHYL17/10PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL	10CIP18/10CIP28				
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28				
	ENGINEERING MATHEMATICS – II	10MAT21	٧			
	ENGINEERING MATHEMATICS-III	10MAT31	٧		V	
	ELECTRONIC CIRCUITS	10CS32	٧		V	
	LOGIC DESIGN	10CS33	٧		√ V	
2 ND	DISCRETE MATHEMATICAL STRUCTURES	10CS34	٧		V	
YEAR	DATA STRUCTURES WITH C	10CS35	٧		V	
	OBJECT ORIENTED PROGRMMING WITH C++	10CS36	V		V	
	DATA STRUCTURES WITH C/C++ LABORATORY	10CSL37	V	-	V	
	ELECTRONIC CIRCUITS AND LOGIC DESIGN LABORATORY	10CSL38	٧		V	



APTHAGIRI COLLEGE OF ENG EERING DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2016-17

	ENGINEERING MATHEMATICS-IV	10MAT41	٧	V	
	GRAPH THEORY AND COMBINATORICS	10CS42	V	√ V	
	DESIGN AND ANALYSIS OF ALGORITHM	10CS43	V	V	
	UNIX AND SHELL PROGRAMMING	10CS44	V	V	
	MICROPROCESSORS	10CS45	٧	√	
	COMPUTER ORGANIZATION	10CS46	V	V	
	DESIGN AND ANALYSIS OF ALGORITHM LABORATORY	10CSL47	٧	V	
	MICROPROCESSORS LABORATORY	10CSL48	V	√	
	SOFTWARE ENGINEERING	10 551	V	V	
	SYSTEMS SOFTWARE	10CS52			
	OPERATING SYSTEM	10CS53	V	V	
3 RD	DATABASE MANAGEMENT SYSTEMS	10CS54	V	V	
YEAR	COMPUTER NETORKS-I	10CS55	V	V	
	FORMAL LANGUAGES AND AUTOMATA THEORY	10CS56		·	/at
	DATABASE APPLICATIONS LABORATORY	10CSL57	٧	V	V
	SYSTEMS SOFTWARE & OPERATING SYSTEM LABORATORY	10CSL58	٧	V	
	MANAGEMENT AND ENTREPRENEURSHIP	10CS61			
	UNIX SYSTEM PROGRAMMING	10CS62	V	V	
	FILE STRUCTURES	10IS63		V	
	COMPUTR NETWORKS-II	10CS64	V	V	
	SOFTWARE TESTING	10IS65	V	V	
	OPERATIONS RESEARCH	10CS661			
	FILE STRUCTURES LABORATORY	10ISL67			V
	SOFTWARE TESTING LABORATORY	10ISL68	V	V	•
1 [™]	OBJECT-ORIENTED MODELING AND DESIGN	10CS71	V	V	
/EAR	INFORMATION SYSTEMS	10IS72	V	V	
	PROGRAMMING THE WEB	10CS73	V	V	



APTHAGIRI COLLEGE OF ENG EERING **DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2016-17**

DATA WAREHOUSING AND DATA MINING	10IS74	٧	V	
JAVA AND J2EE	10CS753	V	V	
C# PROGRAMMING AND .NTET	10 \$761	V	V	
NETWORKS LABORATORY	10CSL77	V	V	
WEB PROGRAMMING LABORATORY	10CSL78	V	V	V
SOFTWARE ARCHITECTURES	10CS81	V	V	
SYSTEM MODELING AND SIMULATION	10CS82	V	V	
INFORMATION AND NETWORK SECURITY	10 S835	٧	V	
AD-HOC NETWORKS	10CS841	. 🗸	V	
PROJECT WORK	10CS85	V	V.	
SEMINAR	10CS86		•	

ACADEMIC COMMITTEE CONVENER

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057

BANGAL DRE - 560 057



PTHAGIRI COLLEGE OF ENGI! ERING DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2015-16

YEAR	COURSE NAME	COURSE CODE	PROJECT	FIELD	INTERNSHIP	MINI
	ENCINEEDING MATURE		WORK	WORK		PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11	V			
	ENGINEERING PHYSICS	10PHY12/10PHY22	-10			
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22				
	ELEMENTS OF CIVIL ENGINEERING &	10CIV13/10CIV23				
	ENGINEERING MECHANICS	l l				
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23	٧		٧	
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24				
1 ST	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				
YEAR	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	٧			
	BASIC ELECTRONICS	10ELN15 / 10ELN25	٧			
	WORKSHOP PRACTICE	10WSL16/ 10WSL26	7			
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26	٧		V	
	LABORATORY EXPERIMENTS IN ENGINEERING	10PHYL17/10PHYL27			•	
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27			2	
	CONSTITUTION OF INDIA AND PROFESSIONAL	10CIP18/10CIP28				
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28			*	
	ENGINEERING MATHEMATICS – II	10MAT21	٧	1	-	
	ENGINEERING MATHEMATICS-III	10MAT31	٧	+	V	
	ELECTRONIC CIRCUITS	10CS32	٧	-	V	
	LOGIC DESIGN	10CS33	٧		V	
2 ND	DISCRETE MATHEMATICAL STRUCTURES	10CS34	٧		V	
YEAR	DATA STRUCTURES WITH C	10CS35	٧	<u> </u>	V	
	OBJECT ORIENTED PROGRMMING WITH C++	10CS36	√		V	
	DATA STRUCTURES WITH C/C++ LABORATORY	10CSL37	√ √		V	
	ELECTRONIC CIRCUITS AND LOGIC DESIGN LABORATORY	10CSL38	V		√ √	



APTHAGIRI COLLEGE OF ENG EERING DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2015-16

	ENGINEERING MATHEMATICS-IV	10MAT41	V	V	
	GRAPH THEORY AND COMBINATORICS	10CS42	V		
	DESIGN AND ANALYSIS OF ALGORITHM	10CS43	V	√ V	
	UNIX AND SHELL PROGRAMMING	10CS44	V	· √	
	MICROPROCESSORS	10CS45	V	· ·	
	COMPUTER ORGANIZATION	10CS46	V	V	
	DESIGN AND ANALYSIS OF ALGORITHM LABORATORY	10CSL47	٧	√	
	MICROPROCESSORS LABORATORY	10CSL48	√	V	
	SOFTWARE ENGINEERING	10IS51	V	V	
	SYSTEMS SOFTWARE	10CS52			
	OPERATING SYSTEM	10CS53	V	V	
3 RD	DATABASE MANAGEMENT SYSTEMS	10CS54	V	V	
YEAR	COMPUTER NETORKS-I	10CS55	V	V	
	FORMAL LANGUAGES AND AUTOMATA THEORY	10CS56		V	
	DATABASE APPLICATIONS LABORATORY	10CSL57	V	V	V
	SYSTEMS SOFTWARE & OPERATING SYSTEM LABORATORY	10CSL58	V	V	
	MANAGEMENT AND ENTREPRENEURSHIP	10CS61			
	UNIX SYSTEM PROGRAMMING	10CS62	V		
	FILE STRUCTURES	10 563		- V	
	COMPUTR NETWORKS-II	10CS64	V	V	
	SOFTWARE TESTING	10IS65	V	V	
	OPERATIONS RESEARCH	10CS661			
	FILE STRUCTURES LABORATORY	10ISL67			V
	SOFTWARE TESTING LABORATORY	10ISL68	٧	٧	
TH	OBJECT-ORIENTED MODELING AND DESIGN	10CS71	V	V	
'EAR	INFORMATION SYSTEMS	10IS72	V	V	
	PROGRAMMING THE WEB	10CS73	V	V	



APTHAGIRI COLLEGE OF ENG EERING **DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2015-16**

DATA WAREHOUSING AND DATA MINING	10IS74	٧	V	
JAVA AND J2EE	10CS753	V	V	
C# PROGRAMMING AND .NTET	10 5761	V	V	
NETWORKS LABORATORY	10CSL77	٧	V	
WEB PROGRAMMING LABORATORY	10CSL78	٧	V	V
SOFTWARE ARCHITECTURES	10CS81	٧	V	
SYSTEM MODELING AND SIMULATION	10CS82	٧	V	
INFORMATION AND NETWORK SECURITY	10 \$835	٧	٧	
AD-HOC NETWORKS	10CS841	V	V	
PROJECT WORK	10CS85	V	V	
SEMINAR	10CS86			

ACADEMIC COMMITTEE CONVENER

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 007

Department of

Information Science & Engo Sapthagiri College of Engineering 14/5, Chikkasandra, Hesararhatta Main Road BANGAL ORE - 560 057.



APTHAGIRI COLLEGE OF ENGL. LERING DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2014-15

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI
	ENGINEERING MATHEMATICS-I	10MAT11	V	WORK		PROJECT
	ENGINEERING PHYSICS	10PHY12/10PHY22				
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22				
	ELEMENTS OF CIVIL ENGINEERING &	10CIV13/10CIV23				
	ENGINEERING MECHANICS					
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23	٧		٧	
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24				
1 ST	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				
YEAR	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	٧			9
	BASIC ELECTRONICS	10ELN15 / 10ELN25	٧			
	WORKSHOP PRACTICE	10WSL16/ 10WSL26				
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26	٧		V	
	LABORATORY EXPERIMENTS IN ENGINEERING	10PHYL17/10PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL	10CIP18/10CIP28				
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28				
	ENGINEERING MATHEMATICS – II	10MAT21	٧			
	ENGINEERING MATHEMATICS-III	10MAT31	٧		V	
	ELECTRONIC CIRCUITS	10CS32	٧	1	V	
	LOGIC DESIGN	10CS33	٧		V	
2 ND	DISCRETE MATHEMATICAL STRUCTURES	10CS34	٧		V	
YEAR	DATA STRUCTURES WITH C	10CS35	٧	-	V √	
	OBJECT ORIENTED PROGRMMING WITH C++	10CS36	٧		V V	
	DATA STRUCTURES WITH C/C++ LABORATORY	10CSL37	٧		V V	
	ELECTRONIC CIRCUITS AND LOGIC DESIGN LABORATORY	10CSL38	٧		V	3



PTHAGIRI COLLEGE OF ENGIL ERING DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2014-15

	ENGINEERING MATHEMATICS-IV	10MAT41	٧	V	
	GRAPH THEORY AND COMBINATORICS	10CS42	٧	V	
	DESIGN AND ANALYSIS OF ALGORITHM	10CS43	٧	V	
	UNIX AND SHELL PROGRAMMING	10CS44	V	V	
	MICROPROCESSORS	10CS45	٧	V	
	COMPUTER ORGANIZATION	10CS46	V	V	
	DESIGN AND ANALYSIS OF ALGORITHM LABORATORY	10CSL47	٧	V	
	MICROPROCESSORS LABORATORY	10CSL48	V	٧	
	SOFTWARE ENGINEERING	10 551	V	٧	
	SYSTEMS SOFTWARE	10CS52			
	OPERATING SYSTEM	10CS53	V	٧	
3 RD	DATABASE MANAGEMENT SYSTEMS	10CS54	V	V	
YEAR	COMPUTER NETORKS-I	10CS55	V	V	
	FORMAL LANGUAGES AND AUTOMATA THEORY	10CS56			
	DATABASE APPLICATIONS LABORATORY	10CSL57	V	V	V
	SYSTEMS SOFTWARE & OPERATING SYSTEM LABORATORY	10CSL58	٧	V	·
	MANAGEMENT AND ENTREPRENEURSHIP	10CS61			
	UNIX SYSTEM PROGRAMMING	10CS62	V	V	
	FILE STRUCTURES	10IS63		V	
	COMPUTR NETWORKS-II	10CS64	V	V	
	SOFTWARE TESTING	10IS65	V	√ ·	
	OPERATIONS RESEARCH	10CS661			
	FILE STRUCTURES LABORATORY	10ISL67			V
	SOFTWARE TESTING LABORATORY	10ISL68	V	٧	
4 TH	OBJECT-ORIENTED MODELING AND DESIGN	10CS71	V	V	
YEAR	INFORMATION SYSTEMS	10IS72	V	V	
	PROGRAMMING THE WEB	10CS73	V	√ ·	



APTHAGIRI COLLEGE OF ENGI. LERING DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING AY: 2014-15

DATA WAREHOUSING AND DATA MINING	10IS74	V	V	
JAVA AND J2EE	10CS753	٧	V	
C# PROGRAMMING AND .NTET	10 5761	٧	V	
NETWORKS LABORATORY	10CSL77	٧	V	
WEB PROGRAMMING LABORATORY	10CSL78	٧	V	V
SOFTWARE ARCHITECTURES	10CS81	٧	V	
SYSTEM MODELING AND SIMULATION	10CS82	٧	V	
INFORMATION AND NETWORK SECURITY	10 \$835	٧	٧	
AD-HOC NETWORKS	10CS841	V	V	
PROJECT WORK	10CS85	V	V	
SEMINAR	10CS86		•	

ACADEMIC COMMITTEE CONVENER

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057 HOD

Department of
Information Science & Engal
Sapthagiri College of Engineering
14%. Chikkesandra, Hesararihatta Main Poari
BANGAI ORE - 160 057

SAPTHAGIRI COLLEGE OF ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING AY 2018-19

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	15MAT11	٧			THOUSET
	ENGINEERING PHYSICS	15PHY12/15PHY22				
	ENGINEERING CHEMISTRY	15CHE12/ 15CHE 22				
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	15CIV13/15CIV23	٧		V	
	COMPUTER CONCEPTS AND C PROGRAMMING	15CCP13/15CCP23				
	ELEMENTS OF MECHANICAL ENGINEERING	15EME14 / 15EME24	٧		V	
1 st YEAR	COMPUTER AIDED ENGINEERING DRAWING	15CED14 / 15CED24				
	BASIC ELECTRICAL ENGINEERING	15ELE15/ 15ELE25				
	BASIC ELECTRONICS	15ELN15 / 15ELN25	٧		V	
	COMPUTER PROGRAMMING LABORATORY	15CPL16 / 15CPL26		.11		
	LABORATORY EXPERIMENTS IN ENGINEERING PHYSICS	15PHYL17/15PHYL27				1
	ENGINEERING CHEMISTRY LABORATORY	15CHEL17/15CHEL27				
	ENGINEERING MATHEMATICS – II	15MAT21				
	ENGINEERING MATHEMATICS - III	15MAT31	٧			
	MATERIAL SC. & METALLURGY	15ME32A	٧		٧	
2 nd	MECHANICAL MEASUREMENTS & METROLOGY	15ME36B	٧		V	
YEAR	BASIC THERMODYNAMICS	15ME33				
11	MECHANICS OF MATERIALS	15ME34	٧			
	METAL CASTING AND WELDING	15ME35A	٧		V	

	COMPUTER AIDED MACHINE DRAWING	15ME36A	V	
¥	FLUID MECHANICS	15ME43	V	
	METALLOGRAPHY & MATERIAL TESTING LAB	15MEL37A	V	٧
	MECH. MEASUREMENTS & METROLOGY LAB	15MEL37B	- √	٧
	FOUNDRY & FORGING LAB / MACHINE SHOP	15ME38A	V	
	MACHINE SHOP	15MEL38B	√	
	ENGINEERING MATHEMATICS - IV	15MAT41		
	APPLIED THERMODYNAMICS	15ME43	√	V
a.	KINEMATICS OF MACHINES	15ME44	V	٧
	MACHINE TOOLS OPERATION	15ME45B	٧	V
	MANAGEMENT AND ENGINEERING ECONOMICS	15ME51		٧
	DESIGN OF MACHINE ELEMENTS I	15ME54	V	V
	TURBO MACHINES	15ME53	V	V
1	DYNAMICS OF MACHINES	15ME54	V	V
	NON TRADITIONAL MACHINNIG	15ME554	V	٧
1	TOTAL QUALITY OF MANAGMENT	15ME563	٧	
*	FLUID MECHANICS & MACHINES LAB	15MEL57	٧	
3 rd	ENERGY CONVERSION ENGG. LAB	15MEL58	٧	
YEAR	COMPUTER INTEGRATED MANUFACTURING	15ME62		٧
-	DESIGN OF MACHINE ELEMENTS II	15ME64	٧	٧
	HEAT & MASS TRANSFER	15ME63	٧	٧
	FINITE ELEMENT METHODS	15ME61	V V	٧
	NON-TRADITIONAL MACHINING	15ME665		٧
	AUTOMOBILE ENGINEERING	15ME655	V	٧

	HEAT & MASS TRANSFER LAB	15MEL67	٧	
	CAMA LAB	15MEL68	٧	V
	ENERGY ENGINNERING	15ME71	٧	
	CONTROL ENGINEERING	15ME72		V
	HYDRAULICS AND PNEUMATICS	15ME73	٧	V
22,5%	PROJECT PHASE-1	15ME78P		V
4 TH YEAR	OPERATION RESEARCH	15ME81		V
LEXII	ADDITTIVE MANUFACTURING	15ME82	٧	V
	PRODUCT LIFE CYCLE MANAGEMENT	15ME835	V	Ť
	DESIGN LAB	15MEL76	٧	V
	CIM AND AUTOMATION LAB	15MEL77		V
	INTERNSHIP	15ME85	٧	
	PROJECT PHASE-2	15ME86P		V

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

HOD H.O.D. Dept. of Mech. Engu. S.C.E., Bangalore-560 057

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	14MAT11	٧			TROOLET
	ENGINEERING PHYSICS	14PHY12/14PHY22				
	ENGINEERING CHEMISTRY	14CHE12/ 14CHE 22				
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	14CIV13/14CIV23				
	COMPUTER CONCEPTS AND C PROGRAMMING	14CCP13/14CCP23				
	ELEMENTS OF MECHANICAL ENGINEERING	14EME14 / 14EME24	٧		V	
	COMPUTER AIDED ENGINEERING DRAWING	14CED14 / 14CED24	h			
1 st	BASIC ELECTRICAL ENGINEERING	14ELE15/ 14ELE25	٧		V	
YEAR	BASIC ELECTRONICS	14ELN15 / 14ELN25	٧		٧	
	WORKSHOP PRACTICE	14WSL16/ 14WSL26	٧			
	COMPUTER PROGRAMMING LABORATORY	14CPL16 / 14CPL26		×		
	LABORATORY EXPERIMENTS IN ENGINEERING PHYSICS	14PHYL17/14PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	14CHEL17/14CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	14CIP18/14CIP28				at the second se
	ENVIRONMENTAL STUDIES	14CIV18/14CIV28				
	ENGINEERING MATHEMATICS – II	14MAT21				
2 nd	ENGINEERING MATHEMATICS - III	10MAT31		8		
YEAR	MATERIAL SC. & METALLURGY	10ME32A	٧		V	

	MECHANICAL MEASUREMENTS & METROLOGY	10ME32B	V	V	
	BASIC THERMODYNAMICS	10ME33	٧	V	
	MECHANICS OF MATERIALS	10ME34	V	V	
	MANUFACTURING PROCESS I	10ME35A	V	V	
	COMPUTER AIDED MACHINE DRAWING	10ME36A	V		
	FLUID MECHANICS	10ME36B	V	٧	
	METALLOGRAPHY & MATERIAL TESTING LAB	10MEL37A	V	V	_
	MECH. MEASUREMENTS & METROLOGY LAB	10MEL37B	V	V	
	FOUNDRY & FORGING LAB / MACHINE SHOP	10ME38A	V		
	MACHINE SHOP	10MEL38B	V		
	ENGINEERING MATHEMATICS - IV	10MAT41			
	APPLIED THERMODYNAMICS	10ME43	V	V	
	KINEMATICS OF MACHINES	10ME44	٧	V	
	MANUFACTURING PROCESS II	10ME45	V	V	
	MANAGEMENT AND ENTREPRENEURSHIP	10AL51	V	,	
	DESIGN OF MACHINE ELEMENTS I	10ME52	٧		
	ENERGY ENGINEERING	10ME53		V	
	DYNAMICS OF MACHINES	10ME54	٧	V	
	MANUFACTURING PROCESS III	10ME55	٧	V	
3 rd YEAR	TURBO MACHINES	10ME56	V		
	FLUID MECHANICS & MACHINES LAB	10MEL57	V		
	ENERGY CONVERSION ENGG. LAB	10MEL58	V		
	COMPUTER INTEGRATED MANUFACTURING	10ME61		٧	
	DESIGN OF MACHINE ELEMENTS II	10ME62	٧		

	HEAT & MASS TRANSFER	10ME63			
	FINITE ELEMENT METHODS	10ME64	V	V	
	MECHATRONICS & MICROPROCESSOR	10ME65	V		
	NON-TRADITIONAL MACHINING	10ME665		V	
	HEAT & MASS TRANSFER LAB	10MEL67	V		
	CAMA LAB	10MEL68	٧	V	
	ECONOMICS	10ME7			
	MECHANICAL VIBRATIONS	10ME72		V	
	HYDRAULICS AND PNEUMATICS	10ME73	٧	V	
	OPERATIONS RESEARCH	10ME74			
	TOTAL QUALITY MANAGEMENT	10ME758	٧	٧	
4 TH	SMART MATERIALS	10ME764	V	V	
YEAR	DESIGN LAB	10MEL77	V	V	
	CIM AND AUTOMATION LAB	10MEL78			
	OPERATIONS MANAGEMENT	10ME81			
	CONTROL ENGINEERING	10ME82	V		
	TRIBOLOGY	10ME831	V	V	
	AUTOMOTIVE ENGINEERING	10ME844	V	V	

COMMITTEE CONVENER

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

1.0.D. De 1000 scn. Engo. 8.C.E. Sanuaro e-560 067



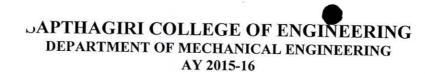
YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11	٧			THOULET
	ENGINEERING PHYSICS	10PHY12/10PHY22				
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22				
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	10CIV13/10CIV23				
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23				
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24	٧		V	
	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				
1 st	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	٧		V	A
YEAR	BASIC ELECTRONICS	10ELN15 / 10ELN25	٧		V	
	WORKSHOP PRACTICE	10WSL16/ 10WSL26	V			
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26				
	LABORATORY EXPERIMENTS IN ENGINEERING PHYSICS	10PHYL17/10PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	10CIP18/10CIP28				
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28				
	ENGINEERING MATHEMATICS – II	10MAT21				
2 nd	ENGINEERING MATHEMATICS - III	10MAT31				
YEAR	MATERIAL SC. & METALLURGY	10ME32A	٧		V	

	MECHANICAL MEASUREMENTS & METROLOGY	10ME32B	٧	٧	
	BASIC THERMODYNAMICS	10ME33	V	٧	
	MECHANICS OF MATERIALS	10ME34	V	٧	
	MANUFACTURING PROCESS I	10ME35A	V	V	
	COMPUTER AIDED MACHINE DRAWING	10ME36A	V		
	FLUID MECHANICS	10ME36B	V	V	
	METALLOGRAPHY & MATERIAL TESTING LAB	10MEL37A	V	V	
	MECH. MEASUREMENTS & METROLOGY LAB	10MEL37B	V	V	
	FOUNDRY & FORGING LAB / MACHINE SHOP	10ME38A	V		m en
	MACHINE SHOP	10MEL38B	V		
22	ENGINEERING MATHEMATICS - IV	10MAT41			
	APPLIED THERMODYNAMICS	10ME43	V	V	
	KINEMATICS OF MACHINES	10ME44	V	V	
	MANUFACTURING PROCESS II	10ME45	V	V	
	MANAGEMENT AND ENTREPRENEURSHIP	10AL51	V		
	DESIGN OF MACHINE ELEMENTS I	10ME52	V		
	ENERGY ENGINEERING	10ME53		V	
	DYNAMICS OF MACHINES	10ME54	V	V	
	MANUFACTURING PROCESS III	10ME55	V	V	
3 rd YEAR	TURBO MACHINES	10ME56	V		
ILAN	FLUID MECHANICS & MACHINES LAB	10MEL57	٧		
	ENERGY CONVERSION ENGG. LAB	10MEL58	V		
	COMPUTER INTEGRATED MANUFACTURING	10ME61		٧	
	DESIGN OF MACHINE ELEMENTS II	10ME62	V	,	

	HEAT & MASS TRANSFER	25 -2000 00000000			
		10ME63			
	FINITE ELEMENT METHODS	10ME64	٧	٧	
	MECHATRONICS & MICROPROCESSOR	10ME65	٧		
	NON-TRADITIONAL MACHINING	10ME665		V	
	HEAT & MASS TRANSFER LAB	10MEL67	V		
	CAMA LAB	10MEL68	V	٧	
	ECONOMICS	10ME7			
	MECHANICAL VIBRATIONS	10ME72		V	
	HYDRAULICS AND PNEUMATICS	10ME73	V	V	
	OPERATIONS RESEARCH	10ME74			
	TOTAL QUALITY MANAGEMENT	10ME758	٧	V	
4^{TH}	SMART MATERIALS	10ME764	٧	٧	
YEAR	DESIGN LAB	10MEL77	٧	V	
	CIM AND AUTOMATION LAB	10MEL78			
	OPERATIONS MANAGEMENT	10ME81			
	CONTROL ENGINEERING	10ME82	٧	4	
	TRIBOLOGY	10ME831	٧	V	
	AUTOMOTIVE ENGINEERING	10ME844	V	V	

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

W.S.B. Bengalore-560 967



YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11	٧			INOSECT
	ENGINEERING PHYSICS	10PHY12/10PHY22				Ш
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22	8			
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	10CIV13/10CIV23	×			
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23				
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24	٧		٧	
	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24				
1 st	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	٧		٧	3:
YEAR	BASIC ELECTRONICS	10ELN15 / 10ELN25	٧		٧	
	WORKSHOP PRACTICE	10WSL16/ 10WSL26	٧			
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26				
	LABORATORY EXPERIMENTS IN ENGINEERING PHYSICS	10PHYL17/10PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27				
	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	10CIP18/10CIP28				
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28				
	ENGINEERING MATHEMATICS – II	10MAT21				
2 nd	ENGINEERING MATHEMATICS - III	10MAT31				-
YEAR	MATERIAL SC. & METALLURGY	10ME32A	V		V	

	MECHANICAL MEASUREMENTS & METROLOGY	10ME32B	V	٧	
	BASIC THERMODYNAMICS	10ME33	٧	V	
	MECHANICS OF MATERIALS	10ME34	V	V	
	MANUFACTURING PROCESS I	10ME35A	V	V	l\(v\)
	COMPUTER AIDED MACHINE DRAWING	10ME36A	V	•	
	FLUID MECHANICS	10ME36B	٧	V	
	METALLOGRAPHY & MATERIAL TESTING LAB	10MEL37A	V	V	
	MECH. MEASUREMENTS & METROLOGY LAB	10MEL37B	٧	√ V	
	FOUNDRY & FORGING LAB / MACHINE SHOP	10ME38A	٧	•	
	MACHINE SHOP	10MEL38B	V	*	
	ENGINEERING MATHEMATICS - IV	10MAT41			
	APPLIED THERMODYNAMICS	10ME43	V	V	_
	KINEMATICS OF MACHINES	10ME44	V	V	
	MANUFACTURING PROCESS II	10ME45	V	V	
	MANAGEMENT AND ENTREPRENEURSHIP	10AL51	V		-
	DESIGN OF MACHINE ELEMENTS I	10ME52	V		
	ENERGY ENGINEERING	10ME53		V	
	DYNAMICS OF MACHINES	10ME54	٧	V	
	MANUFACTURING PROCESS III	10ME55	٧	V	
3 rd YEAR	TURBO MACHINES	10ME56	٧		
	FLUID MECHANICS & MACHINES LAB	10MEL57	V		
	ENERGY CONVERSION ENGG. LAB	10MEL58	٧		
	COMPUTER INTEGRATED MANUFACTURING	10ME61		V	
	DESIGN OF MACHINE ELEMENTS II	10ME62	V	•	

	HEAT & MASS TRANSFER	10ME63			
	FINITE ELEMENT METHODS	10ME64	٧	٧	
	MECHATRONICS & MICROPROCESSOR	10ME65	V		
	NON-TRADITIONAL MACHINING	10ME665		V	
	HEAT & MASS TRANSFER LAB	10MEL67	٧		
	CAMA LAB	10MEL68	٧	V	
	ECONOMICS	10ME7			
	MECHANICAL VIBRATIONS	10ME72		V	
	HYDRAULICS AND PNEUMATICS	10ME73	٧	V	
	OPERATIONS RESEARCH	10ME74			
	TOTAL QUALITY MANAGEMENT	10ME758	٧	V	
4 TH	SMART MATERIALS	10ME764	٧	V	
YEAR	DESIGN LAB	10MEL77	٧	V	
	CIM AND AUTOMATION LAB	10MEL78			
	OPERATIONS MANAGEMENT	10ME81			
	CONTROL ENGINEERING	10ME82	٧		
	TRIBOLOGY	10ME831	٧	٧	
	AUTOMOTIVE ENGINEERING	10ME844	٧	٧	

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

HOD 3.C.E., Bangalore-560 057

SAPTHAGIRI COLLEGE OF ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING AY 2014-15

YEAR	COURSE NAME	COURSE CODE	PROJECT WORK	FIELD WORK	INTERNSHIP	MINI PROJECT
	ENGINEERING MATHEMATICS-I	10MAT11	٧			
8	ENGINEERING PHYSICS	10PHY12/10PHY22				
	ENGINEERING CHEMISTRY	10CHE12/ 10CHE 22				
	ELEMENTS OF CIVIL ENGINEERING & ENGINEERING MECHANICS	10CIV13/10CIV23		i i		1
	COMPUTER CONCEPTS AND C PROGRAMMING	10CCP13/10CCP23				-
	ELEMENTS OF MECHANICAL ENGINEERING	10EME14 / 10EME24	٧		٧	
	COMPUTER AIDED ENGINEERING DRAWING	10CED14 / 10CED24		14		
1 st	BASIC ELECTRICAL ENGINEERING	10ELE15/ 10ELE25	٧		٧	
YEAR	BASIC ELECTRONICS	10ELN15 / 10ELN25	٧		٧	
	WORKSHOP PRACTICE	10WSL16/ 10WSL26	٧			
	COMPUTER PROGRAMMING LABORATORY	10CPL16 / 10CPL26				
	LABORATORY EXPERIMENTS IN ENGINEERING PHYSICS	10PHYL17/10PHYL27				
	ENGINEERING CHEMISTRY LABORATORY	10CHEL17/10CHEL27		Ų.		
	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	10CIP18/10CIP28	1 1 1 1			
	ENVIRONMENTAL STUDIES	10CIV18/10CIV28				
	ENGINEERING MATHEMATICS – II	10MAT21				
2 nd	ENGINEERING MATHEMATICS - III	10MAT31				
YEAR	MATERIAL SC. & METALLURGY	10ME32A	٧		V	

	MECHANICAL MEASUREMENTS & METROLOGY	10ME32B	V	V	
	BASIC THERMODYNAMICS	10ME33	V	V	
	MECHANICS OF MATERIALS	10ME34	٧	V	
	MANUFACTURING PROCESS I	10ME35A	٧	V	-
141	COMPUTER AIDED MACHINE DRAWING	10ME36A	V		
	FLUID MECHANICS	10ME36B	٧	V	
	METALLOGRAPHY & MATERIAL TESTING LAB	10MEL37A	V	V	
	MECH. MEASUREMENTS & METROLOGY LAB	10MEL37B	٧	V	4
	FOUNDRY & FORGING LAB / MACHINE SHOP	10ME38A	٧		
١	MACHINE SHOP	10MEL38B	٧		4)
	ENGINEERING MATHEMATICS - IV	10MAT41			
	APPLIED THERMODYNAMICS	10ME43	V	√ √	
2	KINEMATICS OF MACHINES	10ME44	V	V	
	MANUFACTURING PROCESS II	10ME45	٧	V	
	MANAGEMENT AND ENTREPRENEURSHIP	10AL51	V		
	DESIGN OF MACHINE ELEMENTS I	10ME52	V		
	ENERGY ENGINEERING	10ME53		V	
	DYNAMICS OF MACHINES	10ME54	V	V	
	MANUFACTURING PROCESS III	10ME55	٧	V	
3 rd YEAR	TURBO MACHINES	10ME56	٧		
ICAN	FLUID MECHANICS & MACHINES LAB	10MEL57	٧		
	ENERGY CONVERSION ENGG. LAB	10MEL58	٧		
	COMPUTER INTEGRATED MANUFACTURING	10ME61		V	
	DESIGN OF MACHINE ELEMENTS II	10ME62	٧		

				- W		
	HEAT & MASS TRANSFER	10ME63	/11			
	FINITE ELEMENT METHODS	10ME64	٧		٧	
	MECHATRONICS & MICROPROCESSOR	10ME65	٧			
	NON-TRADITIONAL MACHINING	10ME665		_	٧	
	HEAT & MASS TRANSFER LAB	10MEL67	٧			
	CAMA LAB	10MEL68	٧		٧	
	ECONOMICS	10ME7				
	MECHANICAL VIBRATIONS	10ME72			٧	
	HYDRAULICS AND PNEUMATICS	10ME73	٧		٧	
= 4	OPERATIONS RESEARCH	10ME74				
	TOTAL QUALITY MANAGEMENT	10ME758	٧		٧	
4 TH	SMART MATERIALS	10ME764	٧	i i	٧	54
YEAR	DESIGN LAB	10MEL77	٧		٧	
	CIM AND AUTOMATION LAB	10MEL78				
	OPERATIONS MANAGEMENT	10ME81				
	CONTROL ENGINEERING	10ME82	٧			
	TRIBOLOGY	10ME831	٧		٧	
	AUTOMOTIVE ENGINEERING	10ME844	٧		٧	

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

