

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF BIOTECHNOLOGY
LIST OF CROSS CUTTING COURSES

S.NO	REG	SEM	COUSE CODE	COURSE NAME	COURSE CATEGORY	COURSE CATEGORYCROSS CUTTING VALUES
1	R-2013	I	HS615 1	Technical English - I	HS	HV & PE
2		I	GE616 1	Computer Practices Laboratory	PC	E&S
3		I	GE616 2	Engineering Practices Laboratory	PC	E&S
4		I	GE616 3	Physics and Chemistry Laboratory - I	BS	E&S
5		II	HS6251	Technical English - II	HS	HV & PE
6		II	BT6211	Biochemistry Laboratory	PC	E&S
7		II	BT6212	Microbiology Laboratory	PC	E&S
8		II	GE6351	Environmental Science and Engineering	HS	E&S
9		III	BT6311	Cell Biology Laboratory	PC	E&S
10		III	BT6312	Bioorganic Chemistry Laboratory	PC	E&S
11		IV	BT6411	Chemical Engineering Laboratory	PC	E&S
12		IV	BT6412	Instrumental Methods of Analysis Laboratory	PC	E&S
13		V	BT6511	Bioprocess Lab – I	PC	E&S
14		V	BT6512	Molecular Biology Lab	PC	E&S
15		VI	BT660 1	Total Quality Management for Biotechnologists	HS	HV & PE
16		VI	BT661 1	Genetic Engineering laboratory	PC	E&S
17		VI	BT661 2	Bioprocess Lab – II	PC	E&S
18		VI	GE656 2	Employability Skills	EEC	HV & PE
19		VII	BT6711	Downstream processing Lab	PC	E&S
20		VII	BT6712	Immunology Lab	PC	E&S
21		VII	BT6713	Bioinformatics Lab	PC	E&S
22		VII	BT6811	Project Work*	EEC	E&S

S.NO	REG	SEM	COUSE CODE	COURSE NAME	COURSE CATEGORY	COURSE CATEGORYCROSS CUTTING VALUES
1	2017	I	HS8151	Communicative English	HS	HV & PE
2		I	GE8161	Problem Solving and Python Programming Laboratory	ES	E&S
3		I	BS8161	Physics and Chemistry Laboratory	BS	E&S
4		II	HS8251	Technical English	HS	HV & PE
5		II	GE8261	Engineering Practices Laboratory	ES	E&S
6		II	BT8261	Biochemistry Laboratory	PC	E&S
7		III	BT8361	Microbiology Laboratory	PC	E&S
8		III	BT8311	Cell Biology Laboratory	PC	E&S
9		III	HS8381	Interpersonal Skills/Listening and Speaking	EEC	HV & PE
10		IV	GE8291	Environmental Science and Engineering	HS	E&S
11		IV	BT8411	Chemical Engineering Laboratory for Biotechnologists	ES	E&S
12		IV	BT8412	Molecular Biology Laboratory	PC	E&S
13		IV	HS8461	Advanced Reading and Writing	EEC	HV & PE
14		V	BT8511	Bioprocess Laboratory I	PC	E&S
15		V	BT8512	Analytical Methods and Instrumentation Laboratory	PC	E&S
16		V	HS8581	Professional Communication	EEC	HV & PE
17		VI	BT8611	Bioprocess Laboratory II	PC	E&S
18		VI	BT8612	Genetic Engineering Laboratory	PC	E&S
19		VII	GE8077	Total Quality Management	HS	HV & PE
20		VII	BT8711	Downstream Processing Laboratory	PC	E&S
21		VII	BT8712	Immunology Laboratory	PC	E&S
22		VIII	BT8811	Project Work	EEC	E&S

**PRATHYUSHA ENGINEERING COLLEGE
CROSS CUTTING COURSES**

B.E.-CIVIL ENGINEERING

S.No.	Regulation	Year / Semester	Course Code	Course Name	Course Category	Cross Cutting Values
1	2008	IV/VIII	CE2451	ENGINEERING ECONOMICS AND COST ANALYSIS	HS	HV & PE
1	2013	I / I	GE6161	COMPUTER PRACTICES LABORATORY	ES	E & S
2		I / I	GE6162	ENGINEERING PRACTICES LABORATORY	ES	E & S
3		I/ I	GE6163	PHYSICS AND CHEMISTRY LABORATORY	ES	E & S
4		I/II	GE6261	COMPUTER AIDED DRAFTING AND MODELING LAB	PC	HV & PE
5		I/II	GE6262	PHYSICS AND CHEMISTRY LABORATORY-II	ES	E & S
6		II / III	GE6351	ENVIRONMENTAL SCIENCE & ENGINEERING	ES	E & S
7		II/III	CE6311	SURVEY PRACTICAL I	PC	HV & PE
8		II/III	CE6312	COMPUTER AIDED BUILDING AND DRAWING	PC	HV & PE
9		II/IV	CE6411	STRENGTH OF MATERIALS LABORATORY	PC	E & S
10		II/IV	CE6412	HYDRAULIC ENGINEERING LABORATORY	PC	E & S
11		II/IV	CE6413	SURVEY PRACTICAL II	PC	HV & PE
12		III / V	GE6674	COMMUNICATION & SOFT SKILLS - LABORATORY BASED	EEC	HV & PE
13		III/V	CE6511	SOIL MECHANICS LABORATORY	PC	E & S
14		III/V	CE6512	SURVEY CAMP	PC	E & S
15		III / VI	MG6851	PRINCIPLES OF MANAGEMENT	HS	HV & PE
16		III/VI	CE6611	ENVIRONMENTAL ENGINEERING LABORATORY	PC	E & S
17		III/VI	CE6612	CONCRETE AND HIGHWAY ENGINEERING LABORATORY	PC	E & S
18		IV/VI	CE6711	COMPUTER AIDED DESIGN AND DRAFTING LABORATORY	PC	HV & PE
19		IV / VII	CE6712	DESIGN PROJECT	PC	HV & PE
20		IV/VII	GE6075	PROFESSIONAL ETHICS IN ENGINEERING	PE	GE, HV & PE
21		IV / VIII	GE6083	DISASTER MANAGEMENT	PE	E & S
22		IV / VIII	GE6757	TOTAL QUALITY MANAGEMENT	PE	HV & PE
23		IV / VIII	GE6084	HUMAN RIGHTS	PE	GE, HV & PE
1	2017	I / I	HS8151	COMMUNICATIVE ENGLISH	HS	HV & PE
2		I / I	GE8151	PROBLEM SOLVING AND PYTHON PROGRAMMING	ES	E & S
3		I/ I	BS8161	PHYSICS AND CHEMISTRY LABORATORY	BS	E & S
4		I/II	HS8251	TECHNICAL ENGLISH	HS	HV & PE
5		I / II	GE8291	ENVIRONMENTAL SCIENCE AND ENGINEERING	HS	E & S
6		I / II	GE8261	ENGINEERING PRACTICES LABORATORY	ES	E & S
7		I / II	CE8211	COMPUTER AIDED BUILDING DRAWING	PC	HV & PE
8		II / III	CE8361	SURVEYING LABORATORY	PC	E & S
9		II / III	CE8311	CONSTRUCTION MATERIALS LABORATORY	PC	E & S
10		II / III	HS8381	INTERPERSONAL SKILLS / LISTENING & SPEAKING	EEC	HV & PE
12		II / IV	CE8481	STRENGTH OF MATERIALS LABORATORY	PC	E & S
13		II / IV	CE8461	HYDRAULIC ENGINEERING LABORATORY	PC	E & S
15		II / IV	HS8461	ADVANCED READING AND WRITING	EEC	HV & PE
16		III/V	CE8511	SOIL MECHANICS LABORATORY	PC	E & S
17		III/V	CE8512	WATER AND WASTE WATER ANALYSIS LABORATORY	PC	E & S
18		III / V	CE8513	SURVEY CAMP (2 WEEKS - DURING IV SEMESTER)	EEC	HV & PE
19		III / V	OAI551	ENVIRONMENT AND AGRICULTURE	HS	E & S
21		III/VI	CE8611	HIGHWAY ENGINEERING LABORATORY	PC	E & S
22		III/VI	CE8612	IRRIGATION AND ENVIRONMENTAL ENGINEERING DRAWING	PC	HV & PE
23		III / VI	HS8581	PROFESSIONAL COMMUNICATION	EEC	HV & PE
24		IV/VII	CE8711	CREATIVE AND INNOVATIVE PROJECT	EEC	HV & PE
25		IV/VII	CE8712	INDUSTRIAL TRAINING	EEC	HV & PE, E&s
26		IV / VIII	GE8076	PROFESSIONAL ETHICS IN ENGINEERING	EEC	HV & PE
27		IV/VIII	CE8811	PROJECT WORK	EEC	HV & PE,E&S

PRATHYUSHA ENGINEERING COLLEGE

Department : CSE

CROSS CUTTING COURSES

S.No.	Regulation	Year / Semester	Course Code	Course Name	Course Category	Cross Cutting Values
2008 Regulation						
1	2008	IV/VIII	IT2403	SOFTWARE PROJECT MANAGEMENT	PE	HV & PE
2			GE2021	PROFESSIONAL ETHICS IN ENGINEERING	PE	HV & PE
2013 Regulation						
1	2013	I/I	HS6151	TECHNICAL ENGLISH I	HS	HV & PE
2		I/I	GE6151	COMPUTER PROGRAMMING	ES	E & S
3		I/I	GE6162	ENGINEERING PRACTICES LABORATORY	ES	HV & PE
4		I/I	GE6163	PHYSICS AND CHEMISTRY LABORATORY-I	ES	E & S
5		I/II	HS6251	TECHNICAL ENGLISH II	HS	HV & PE
6		I/II	GE6262	PHYSICS AND CHEMISTRY LABORATORY-II	ES	E & S
7		I/II	CS6211	DIGITAL LABORATORY	PC	E & S
8		II/III	GE6351	ENVIRONMENTAL SCIENCE AND ENGINEERING	HS	HV & PE
9		II/IV	CS6412	MICROPROCESSOR AND MICROCONTROLLER LABORATORY	PC	E & S

10		III/VI	GE6674	COMMUNICATION SKILL - LAB BASED	HS	HV & PE
11		III/VI	GE6757	TOTAL QUALITY MANAGMENT	PE	HV & PE
12		IV/VIII	CS6711	SECURITY LABORATORY	PC	HV & PE
13		IV/VIII	GE6075	PROFESSIONAL ETHICS IN ENGINEERING	PE	HV & PE
14		IV/VIII	CS6811	PROJECT WORK	EEC	E & S
1	2017	I / I	HS8151	COMMUNICATIVE ENGLISH	HS	HV & PE
2		I / I	GE8161	PROBLEM SOLVING AND PYTHON PROGRAMMING	ES	E & S
3		I/I	BS8161	PHYSICS AND CHEMISTRY LABORATORY	BS	E & S
4		I / II	GE8261	ENGINEERING PRACTICES LABORATORY	ES	HV & PE
5		I / II	HS8251	TECHNICAL ENGLISH	HS	HV & PE
6		II / III	HS8381	INTERPERSONAL SKILLS / LISTENING & SPEAKING	EEC	HV & PE
7		II/III	CS8382	DIGITAL SYSTEMS LABORATORY	ES	E & S
8		II / IV	HS8461	ADVANCED READING AND WRITING	EEC	E & S
9		III / VI	CS8611	MINI PROJECT	EEC	HV& PE, E & S

10	III / V I	HS8581	PROFESSIONAL COMMUNICATION	EEC	E & S
11	III / VI	MG8591	PRINCIPLES OF MANAGEMENT	HS	HV & PE
12	IV/VII	IT8761	SECURITY LABORATORY	PC	HV & PE
13	IV/VII	CS8711	CLOUD COMPUTING LABORATORY	PC	HV & PE
14	IV / VIII	GE8076	PROFESSIONAL ETHICS IN ENGINEERING	EEC	E & S
15	IV / VIII	CS8811	PROJECT WORK	EEC	E & S

**PRATHYUSHA ENGINEERING COLLEGE
CROSS CUTTING COURSES**

B.E.-ELECTRONICS AND COMMUNICATION ENGINEERING

S.No.	Regulation	Semester	Course Code	Course name	Course Category	Cross Cutting Values
1	2013	I / I	GE6161	COMPUTER PRACTICE LABORATORY	ES	E & S
2		I / I	GE6162	ENGINEERING PRACTICES LABORATORY	ES	E & S
3		I/I	GE6163	PHYSICS AND CHEMISTRY LABORATORY-I	ES	E & S
4		I/II	GE6262	PHYSICS AND CHEMISTRY LABORATORY-II	ES	E & S
5		I/II	EC6211	CIRCUITS AND DEVICES LABORATORY	PC	E & S
6		II/III	EC6311	ANALOG AND DIGITAL CIRCUITS LABORATORY	PC	E & S
7		II/IV	EC6411	CIRCUITS AND SIMULATION INTEGRATED LABORATORY	PC	E & S
8		II/IV	EC6412	LINEAR INTEGRATED CIRCUITS LABORATORY	PC	E & S
9		II/IV	EE6461	ELECTRICAL ENGINEERING AND CONTROL SYSTEM LABORATORY	PC	E & S
10		III / V	GE6351	ENVIRONMENTAL SCIENCE & ENGINEERING	ES	E & S
11		III/V	EC6511	DIGITAL SIGNAL PROCESSING LABORATORY	PC	E & S
12		III/V	EC6512	COMMUNICATION SYSTEMS LABORATORY	PC	E & S
13		III/V	EC6513	MICROPROCESSOR AND MICROCONTROLLER LABORATORY	PC	E & S
14		III / VI	GE6674	COMMUNICATION & SOFT SKILLS - LABORATORY BASED	EEC	HV & PE
15		III / VI	MG6851	PRINCIPLES OF MANAGEMENT	HS	HV & PE
16		III / VI	EC6001	MEDICAL ELECTRONICS	PE	E & S
17		III/VI	EC6611	COMPUTER NETWORKS LABORATORY	PC	E & S
18		III/VI	EC6612	VLSI DESIGN LABORATORY	PC	E & S
19		IV/VII	EC6711	EMBEDDED LABORATORY	PC	E & S
20		IV/VII	EC6712	OPTICAL AND MICROWAVE LABORATORY	PC	E & S
21		IV/VII	EC6011	ELECTROMAGNETIC INTERFERENCE AND COMPATIBILITY	PC	HV & PE
22		IV / VIII	GE6075	PROFESSIONAL ETHICS IN ENGINEERING	PE	GE , HV & PE
23		IV / VIII	GE6757	TOTAL QUALITY MANAGEMENT	PE	HV & PE
24		IV / VIII	EC6811	PROJECT WORK	PC	HV & PE
1		I / I	HS8151	COMMUNICATIVE ENGLISH	HS	HV & PE
2		I / I	GE8151	PROBLEM SOLVING AND PYTHON PROGRAMMING	ES	E & S
3		I/I	BS8161	PHYSICS AND CHEMISTRY LABORATORY	ES	E & S
4		I/II	EC8261	CIRCUITS AND DEVICES LABORATORY	PC	E & S

5		I/II	GE8261	ENGINEERING PRACTICES LABORATORY	BS	E & S
6		II/III	EC8361	ANALOG AND DIGITAL CIRCUITS LABORATORY	PC	E & S
7		II / III	HS8381	INTERPERSONAL SKILLS / LISTENING & SPEAKING	EEC	HV & PE
8		II / IV	GE8291	ENVIRONMENTAL SCIENCE AND ENGINEERING	HS	E & S
9		II/IV	EC8461	CIRCUITS DESIGN AND SIMULATION LABORATORY	PC	E & S
10		II/IV	EC8462	LINEAR INTEGRATED CIRCUITS LABORATORY	PC	E & S
11		III / V	GE8077	TOTAL QUALITY MANAGEMENT	PE	HV & PE
12		III/V	EC8562	DIGITAL SIGNAL PROCESSING LABORATORY	PC	E & S
13	2017	III/V	EC8561	COMMUNICATION SYSTEMS LABORATORY	PC	E & S
14		III/V	EC8563	COMMUNICATION NETWORKS LABORATORY	PC	E & S
15		III/VI	EC8681	MICROPROCESSORS AND MICROCONTROLLERS LABORATORY	PC	E & S
16		III/VI	EC8661	VLSI DESIGN LABORATORY	PC	E & S
17		III/VI	HS8581	PROFESSIONAL COMMUNICATION	EEC	E & S
18		III / VI	EC8611	TECHNICAL SEMINAR	EEC	HV & PE
19		III / VI	OMD551	BASICS OF BIOMEDICAL INSTRUMENTATION	OE	E & S
20		IV / VII	GE8071	DISASTER MANAGEMENT	OE	E & S
21		IV / VII	OME752	SUPPLY CHAIN MANAGEMENT	OE	E & S , HV & PE
22		IV/VII	EC8711	EMBEDDED LABORATORY	PC	E & S
23		IV/VII	EC8761	ADVANCED COMMUNICATION LABORATORY	PC	E & S
24		IV / VIII	GE8076	PROFESSIONAL ETHICS IN ENGINEERING	PE	GE , HV & PE
25		IV/VIII	EC8811	PROJECT WORK	PC	E & S

PRATHYUSHA ENGINEERING COLLEGE
CROSS CUTTING COURSES

B.E.-ELECTRICAL AND ELECTRONICS ENGINEERING

S.No.	Regulation	Semester	Course Code	Course name	Course Category	Cross Cutting Values
1	2013	I	HS6151	TECHNICAL ENGLISH - I	HS	HV & PE
2		I	GE6162	ENGINEERING PRACTICES LABORATORY	ES	HV & PE
3		I	GE6163	PHYSICS AND CHEMISTRY LABORATORY-I	HS	E & S
4		II	GE6262	PHYSICS AND CHEMISTRY LABORATORY-II	HS	E & S
5		II	EE6211	ELECTRIC CIRCUITS LABORATORY	PC	E & S
6		III	GE6351	ENVIRONMENTAL SCIENCE AND ENGINEERING	HS	E & S
7		III	EC8361	ELECTRONICS LABORATORY	PC	E & S
8		III	EE6311	LINEAR AND DIGITAL INTEGRATED CIRCUITS LABORATORY	PC	E & S
9		IV	EE6411	ELECTRICAL MACHINES LABORATORY-I	PC	E & S
10		V	EE6511	CONTROL AND INSTRUMENTATION LABORATORY	PC	E & S
11		V	GE6563	COMMUNICATION SKILLS - LABORATORY BASED	HS	HV & PE
12		V	EE6512	ELECTRICAL MACHINES LABORATORY-II	PC	E & S
13		VI	EE6711	POWER SYSTEMS SIMULATION LABORATORY	PC	E & S, HV & PE
14		VII	EE6613	PRESENTATION SKILLS AND TECHNICAL SEMINAR	HS	HV & PE
15		VII	MG6851	PRINCIPLES OF MANAGEMENT	PE	HV & PE
16		VII	EE6712	COMPREHENSION	HS	HV & PE
17		VIII	GE6075	PROFESSIONAL ETHICS IN ENGINEERING	PE	HV & PE
18		VIII	EE6811	PROJECT WORK	EEC	E & S
1		I	HS8151	COMMUNICATIVE ENGLISH	HS	HV & PE
2		I	BS8161	PHYSICS AND CHEMISTRY LABORATORY	BS	E & S
3		II	GE8261	ENGINEERING PRACTICES LABORATORY	ES	HV & PE

4	2017	II	EE8261	ELECTRIC CIRCUITS LABORATORY	PC	E & S
5		II	HS8251	TECHNICAL ENGLISH	HS	HV & PE
6		II	GE8291	ENVIRONMENTAL SCIENCE AND ENGINEERING	HS	E & S
7		III	EC8311	ELECTRONICS LABORATORY	ES	E & S
8		III	EE8311	ELECTRICAL MACHINES LABORATORY-I	PC	E & S
9		IV	EE8411	ELECTRICAL MACHINES LABORATORY-II	PC	E & S
10		IV	EE8461	LINEAR AND DIGITAL INTEGRATED CIRCUITS LABORATORY	PC	E & S
11		IV	EE8412	TECHNICAL SEMINAR	EEC	HV & PE
12		V	HS8581	PROFESSIONAL COMMUNICATION		HV & PE
13		V	EE8511	CONTROL AND INSTRUMENTATION LABORATORY	PC	E & S
14		V	HS8581	PROFESSIONAL COMMUNICATION	EEC	HV & PE
15		VI	EE8611	MINI PROJECT	EEC	E & S
16		VII	GE8071	DISASTER MANAGEMENT	PE	E & S
17		VII	GE8077	TOTAL QUALITY MANAGEMENT	PE	HV & PE
18		VII	EE8712	RENEWABLE ENERGY SYSTEMS LABORATORY	PC	E & S
19		VIII	GE8076	PROFESSIONAL ETHICS IN ENGINEERING	PE	HV & PE
20		VIII	EE8811	PROJECT WORK	EEC	E & S

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF INFORMATION TECHNOLOGY
CROSS CUTTING COURSES WITH ITS VALUES

S.No	Regulation	Sem	Course Code	Course Name	Course Category	Cross Cutting Values
1	R 2013	I/I	HS6151	TECHNICAL ENGLISH I	HS	HV & PE
2		I/I	GE6151	COMPUTER PROGRAMMING	ES	E & S
3		I/I	GE6162	ENGINEERING PRACTICES LABORATORY	ES	HV & PE
4		I/I	GE6163	PHYSICS AND CHEMISTRY LABORATORY-I	BS	E & S
5		I/II	HS6251	TECHNICAL ENGLISH II	HS	HV & PE
6		I/II	GE6262	PHYSICS AND CHEMISTRY LABORATORY-II	HS	E & S
7		II/III	GE6351	ENVIRONMENTAL SCIENCE AND ENGINEERING	HS	HV & PE
8		II/III	IT6313	DIGITAL COMMUNICATION LABORATORY	PC	E & S
9		III/IV	IT6411	MICROPROCESSOR AND MICROCONTROLLER LABORATORY	PC	E & S
10		III/VI	IT6611	MOBILE APPLICATION DEVELOPMENT LABORATORY	PC	HV & PE
11		III/VI	GE6674	COMMUNICATION AND SOFT SKILLS - LABORATORY BASED	HS	HV & PE
12		III/VI	GE6757	TOTAL QUALITY MANGMENT	PE	HV & PE
13		IV/VII	IT6712	SECURITY LABORATORY	PC	HV & PE
14		IV/VIII	GE6075	PROFESSIONAL ETHICS IN ENGINEERING	PE	HV & PE
15		IV/VIII	IT6811	PROJECT WORK	EEC	E & S
1	R 2017	I / I	HS8151	COMMUNICATIVE ENGLISH	HS	HV & PE
2		I / I	GE8161	PROBLEM SOLVING AND PYTHON PROGRAMMING	ES	E & S
3		I/I	BS8161	PHYSICS AND CHEMISTRY LABORATORY	BS	E & S
4		I / II	HS8251	TECHNICAL ENGLISH	HS	HV & PE
5		I/II	GE8261	ENGINEERING PRACTICES LABORATORY	ES	HV & PE
6		II / III	HS8381	INTERPERSONAL SKILLS / LISTENING & SPEAKING	EEC	E & S
7		II / IV	HS8461	ADVANCED READING AND WRITING	EEC	E & S
8		II / IV	GE8291	ENVIRONMENTAL SCIENCE AND ENGINEERING	HS	HV & PE
9		III/V	EC8681	MICROPROCESSORS AND MICROCONTROLLERS LABORATORY	PC	E & S
10		III / VI	IT8611	MINI PROJECT	EEC	E & S
11		III / V I	HS8581	PROFESSIONAL COMMUNICATION	EEC	E & S
12		III / VI	MG8591	PRINCIPLES OF MANAGEMENT	HS	HV & PE
13		III/VI	CS8662	MOBILE APPLICATION DEVELOPMENT LABORATORY	PC	HV & PE
14		IV/VII	IT8761	SECURITY LABORATORY	PC	HV & PE
15		IV / VIII	GE8076	PROFESSIONAL ETHICS IN ENGINEERING	EEC	E & S
16		IV / VIII	IT8811	PROJECT WORK	EEC	E & S

PRATHYUSHA ENGINEERING COLLEGE
CROSS CUTTING COURSES

Department : MECHANICAL

S.No.	Regulation	Semester	Course Code	Course name	Course Category	Cross Cutting Values
1	2013	I/I	GE 6151	COMPUTER PROGRAMMING	ES	E & S
2		I / I	GE6161	COMPUTER PRACTICE LABORATORY	ES	E & S
3		I / I	GE6162	ENGINEERING PRACTICES LABORATORY	ES	E & S
4		I/II	GE 6252	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING	ES	E & S
5		II/III	EE6351	ELECTRICAL DRIVES AND CONTROL	ES	E & S
6		II/III	EE6365	ELECTRICAL ENGINEERING LAB	ES	E & S
7		II/IV	GE 6351	ENVIRONMENTAL SCIENCE AND ENGINEERING	PE	E & S
8		III/V	GE 6075	PROFESSIONAL ETHICS IN ENGINEERING	PE	GE , HV & PE
9		III / VI	MG6851	PRINCIPLES OF MANAGEMENT	HS	HV & PE
10		III/VI	GE 6563	COMMUNICATION SKILLS- LABORATORY BASED	EEC	HV & PE
11		IV / VII	GE6757	TOTAL QUALITY MANAGEMENT	PE	HV & PE
12		IV / VII	ME 6713	COMPREHENSION	EEC	HV & PE
13		IV/VIII	MG6863	ENGINEERING ECONOMICS	PE	HV & PE
1		I/I	HS8151	COMMUNICATIVE ENGLISH	HS	HV & PE
2		I / I	GE8151	PROBLEM SOLVING AND PYTHON PROGRAMMING	ES	E & S
3		I/I	GE8161	PROBLEM SOLVING AND PYTHON PROGRAMMING LAB	ES	E & S
4		I/II	BE8253	BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGG	ES	E & S
5		I/II	GE8291	ENVIRONMENTAL SCIENCE AND ENGINEERING	PE	E & S

6	2017	I/II	GE8261	ENGINEERING PRACTICES LABORATORY	ES	E & S
7		I/II	BE8261	BASIC ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGG LAB	ES	E & S
8		II/III	EE8353	ELECTRICAL DRIVES AND CONTROL	ES	E & S
9		II/III	EE8361	ELECTRICAL ENGINEERING LAB	ES	E & S
10		II/III	HS8381	INTERPERSONAL SKILLS/ LISTENING AND SPEAKING	EEC	HV & PE
11		II/IV	HS8461	ADVANCED READING AND WRITING	EEC	HV & PE
12		III/V	OR0551	RENEWABLE ENERGY RESOURCES	OE	E & S
13		III/VI	HS8681	PROFESSIONAL COMMUNICATION	EEC	HV & PE
14		IV/VII	OML751	TESTING OF MATERIALS	OE	E & S
15		IV/VII	ME8712	TECHNICAL SEMINAR	EEC	HV & PE
16		IV/VIII	MG8091	ENTREPRENURSHIP DEVELOPMENT	PE	HV & PE