K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

Department of Electronics and Communication Engineering

Date: 15/07/2022

CIRCULAR

Elective subject Preferences for ODD semester September-Jan 2022-2023

All the students of VI semester are hereby informed to provide the elective subject preferences for upcoming VII semester in the google sheet on or before 31st August 2022.

A separate Google form will be shared for both open elective and Professional elective subjects after introduction class.

Coordinator 15/03/22

HOD, ECE

Enclosed:
List of Elective subjects from VTU

CIRCULAR

Date: 15/07/2022

All the students are hereby informed that following are the open elective course offered by the departments for the semester 2022-23 Odd semester.

Department	Course offered		
	Subject code	Subject name	Faculty
Department of Civil Engineering	18CV753	Environmental protection and management	Dr Rashmi H R
Department of Mechanical Engineering	18ME751	Energy and Environment	Mr Prabhu K S
Department of Computer science	18CS752	Phython application programming	Mr Deepak M D Mrs Jayasubha J Mrs Nagaveni B Nimbal Mrs Nita Meshram
Department of Electronics and communication	18EC751	Communication theory	Dr Manu

Students are directed to register for any one of the above electives other than offered from the parent department. The registration should be done on or before 30 July 2022 in the parent department.

Syllabus is attached for further information

Principal
15/7/22

CC to:

CSE

ECE

Civil

Mechanical

To Gopal Siv
to inform 6th sem Student
16/7/22

PYTHON APPLICATION PROGRAMMING
(OPEN ELECTIVE)
(Effective from the academic year 2018 -2019)
SEMESTER – VI

Course Code	18CS752	IA Marks	40
Number of Lecture Hours/Week	3:0:0	Exam Marks	60
Total Number of Lecture Hours	40	Exam Hours	03

CREDITS – 03

Course Learning Objectives: This course (18CS752) will enable students to

- Learn Syntax and Semantics and create Functions in Python.
- Handle Strings and Files in Python.
- Understand Lists, Dictionaries and Regular expressions in Python.
- Implement Object Oriented Programming concepts in Python
- Build Web Services and introduction to Network and Database Programmingin Python.

Module – 1	Teaching Hours
Why should you learn to write programs, Variables, expressions and statements, Conditional execution, Functions **Textbook 1: Chapters 1 – 4** RBT: L1, L2, L3	08
Module – 2	
Iteration, Strings, Files **Textbook 1: Chapters 5– 7** RBT: L1, L2, L3	08
Module – 3	
Lists, Dictionaries, Tuples, Regular Expressions **Textbook 1: Chapters 8 - 11** RBT: L1, L2, L3	08
Module – 4	
Classes and objects, Classes and functions, Classes and methods **Textbook 2: Chapters 15 – 17** RBT: L1, L2, L3	08
Module – 5	
Networked programs, Using Web Services, Using databases and SQL **Textbook 1: Chapters 12– 13, 15** RBT: L1, L2, L3	08

Course Outcomes: After studying this course, students will be able to

- Examine Python syntax and semantics and be fluent in the use of Python flow control and functions.
- Demonstrate proficiency in handling Strings and File Systems.
- Create, run and manipulate Python Programs using core data structures like Lists, Dictionaries and use Regular Expressions.
- Interpret the concepts of Object-Oriented Programming as used in Python.
- Implement exemplary applications related to Network Programming, Web Services and Databases in Python.

Question paper pattern:
- The question paper will have ten questions.
- Each full Question consisting of 20 marks

COMMUNICATION THEORY

Course Code	: 18EC751	CIE Marks	:40
Lecture Hours/Week	: 03	SEE Marks	:60
Total Number of Lecture Hours : 40 (08 Hrs / Module)		Exam Hours	:03
CREDITS – 03			

Course Learning Objectives: This course will enable students to:
- Describe essential elements of an electronic communications.
- Understand Amplitude, Frequency & Phase modulations, and Amplitude demodulation.
- Explain the basics of sampling and quantization.
- Understand the various digital modulation schemes.
- The concepts of wireless communication.

Module -1
Introduction to Electronic Communications: Historical perspective, Electromagnetic frequency spectrum, signal and its representation, Elements of electronic communications system, primary communication resources, signal transmission concepts, Analog and digital transmission, Modulation, Concept of frequency translation, Signal radiation and propagation
(Text 1: 1.1 to1.10)

L1, L2

Module -2
Noise: Classification and source of noise **(TEXT 1:3.1)**
Amplitude Modulation Techniques: Types of analog modulation, Principle of amplitude modulation, AM power distribution, Limitations of AM,
(TEXT 1: 4.1,4.2, 4.4, 4.6)
Angle Modulation Techniques: Principles of Angle modulation, Theory of FM-basic Concepts, Theory of phase modulation **(TEXT 1: 5.1,5.2, 5.5)**
Analog Transmission and Reception: AM Radio transmitters, AM Radio Receivers
(TEXT 1:6.1,6.2)

L1, L2

Module -3
Sampling Theorem and pulse Modulation Techniques: Digital Versus analog Transmissions, Sampling Theorem, Classification of pulse modulation techniques, PAM, PWM, PPM, PCM, Quantization of signals
(TEXT 1: 7.1 to 7.8)

L1, L2

Module -4

Digital Modulation Techniques: Types of digital Modulation, ASK,FSK,PSK,QPSK
(TEXT 1: 9.1 to 9.5)
Source and Channel Coding: Objective of source coding, source coding technique, Shannon's source coding theorem, need of channel coding, Channel coding theorem, error control and coding
(TEXT 1: 11.1 to 11.3, 11.8, 11.9,11.12)

L1, L2

Module -5

Evolution of wireless communication systems: Brief History of wireless communications, Advantages of wireless communication, disadvantages of wireless communications, wireless network generations, Comparison of wireless systems, Evolution of next-generation networks, Applications of wireless communication
(TEXT 2: 1.1 to 1.7)
Principles of Cellular Communications: Cellular terminology, Cell structure and Cluster, Frequency reuse concept, Cluster size and system capacity, Method of locating cochannel cells, Frequecy reuse distance
(TEXT 2: 4.1 to 4.7)

L1, L2

Course Outcomes: At the end of the course, students will be able:
1. Describe operation of communication systems.
2. Understand the techniques of Amplitude and Angle modulation.
3. Understand the concept of sampling and quantization.
4. Understand the concepts of different digital modulation techniques.
5. Describe the principles of wireless communications system.

Question paper pattern:
*   Examination will be conducted for 100 marks with question paper containing 10 full questions, each of 20 marks.
*   Each full question can have a maximum of 4 sub questions.
*   There will be 2 full questions from each module covering all the topics of the module.
*   Students will have to answer 5 full questions, selecting one full question from each module.
*   The total marks will be proportionally reduced to 60 marks as SEE marks is 60.

B. E. CIVIL ENGINEERING
Choice Based Credit System (CBCS) and Outcome Based Education (OBE)
SEMESTER - VII
ENVIRONMENTAL PROTECTION AND MANAGEMENT

Course Code	18CV753	CIE Marks	40
Teaching Hours/Week(L:T:P)	(3:0:0)	SEE Marks	60
Credits	03	Exam Hours	03

Course Learning Objectives: This course will enable students to gain knowledge in Environmental protection and Management systems

Module -1
Environmental Management Standards: Unique Characteristics of Environmental Problems - Systems approach to Corporate environmental management - Classification of Environmental Impact Reduction Efforts - Business Charter for Sustainable Production and Consumption – Tools, Business strategy drivers and Barriers - Evolution of Environmental Stewardship. Environmental Management Principles - National policies on environment, abatement of pollution and conservation of resources - Charter on Corporate responsibility for Environmental protection.

Module -2
Environmental Management Objectives: Environmental quality objectives – Rationale of Environmental standards: Concentration and Mass standards, Effluent and stream standards, Emission and ambient standards, Minimum national standards, environmental performance evaluation: Indicators, benchmarking. Pollution control Vs Pollution Prevention - Opportunities and Barriers – Cleaner production and Clean technology, closing the loops, zero discharge technologies.

Module -3
Environmental Management System: EMAS, ISO 14000 - EMS as per ISO 14001– benefits and barriers of EMS – Concept of continual improvement and pollution prevention - environmental policy – initial environmental review – environmental aspect and impact analysis – legal and other requirements- objectives and targets – environmental management programs – structure and responsibility – training awareness and competence- communication – documentation and document control – operational control – monitoring and measurement – management review.

Module -4
Environmental Audit: Environmental management system audits as per ISO 19011- – Roles and qualifications of auditors - Environmental performance indicators and their evaluation – Non conformance – Corrective and preventive actions -compliance audits – waste audits and waste minimization planning – Environmental statement (form V) - Due diligence audit.

Module -5
Applications: Applications of EMS, Waste Audits and Pollution Prevention Control: Textile, Sugar, Pulp & Paper, Electroplating, , Tanning industry. Hazardous Wastes - Classification, characteristics Treatment and Disposal Methods, Transboundary movement, disposal.

Course outcomes: After studying this course, students will be able to:
1. Appreciate the elements of Corporate Environmental Management systems complying to international environmental management system standards.
2. Lead pollution prevention assessment team and implement waste minimization options.
3. Develop, Implement, maintain and Audit Environmental Management systems for Organizations.

Question paper pattern:
- The question paper will have ten full questions carrying equal marks.
- Each full question will be for 20 marks.
- There will be two full questions (with a maximum of four sub- questions) from each module.
- Each full question will have sub- question covering all the topics under a module.
- The students will have to answer five full questions, selecting one full question from each module.

Reference Books:
1. Christopher Sheldon and Mark Yoxon, "Installing Environmental management Systems – a step by step guide" Earthscan Publications Ltd, London, 1999.
2. ISO 14001/14004: Environmental management systems – Requirements and Guidelines – International

B. E. MECHANICAL ENGINEERING
Choice Based Credit System (CBCS) and Outcome Based Education (OBE)

Open Elective-B   (Semester VII)

ENERGY AND ENVIRONMENT

Course Code	18ME751	CIE Marks	40
Teaching Hours / Week (L:T:P)	3:0:0	SEE Marks	60
Credits	03	Exam Hours	03

Course Learning Objectives:

- To understand the fundamentals of energy sources, energy use, energy efficiency, and resulting environmental implications of various energy supplies.
- To introduce various aspects of environmental pollution and its control.
- To understand the causes and remedies related to social issues like global warming, ozone layer depletion, climate change etc.
- To introduce various acts related to prevention and control of pollution of water and air, forest protection act, wild life protection act etc.

Module-1

Basic Introduction to Energy: Energy and power, forms of energy, primary energy sources, energy flows, world energy production and consumption, Key energy trends in India: Demand, Electricity, Access to modern energy, Energy production and trade, Factors affecting India's energy development: Economy and demographics Policy and institutional framework, Energy prices and affordability, Social and environmental aspects, Investment.

Module-2

Energy storage systems: Thermal energy storage methods, Energy saving, Thermal energy storage systems
Energy Management: Principles of Energy Management, Energy demand estimation, Energy pricing
Energy Audit: Purpose, Methodology with respect to process Industries, Characteristic method employed in Certain Energy Intensive Industries.

Module-3

Environment: Introduction, Multidisciplinary nature of environmental studies- Definition, scope and importance, Need for public awareness.
Ecosystem: Concept, Energy flow, Structure and function of an ecosystem. Food chains, food webs and ecological pyramids, Forest ecosystem, Grassland ecosystem, Desert ecosystem and Aquatic ecosystems, Ecological succession.

Module-4

Environmental Pollution: Definition, Cause, effects and control measures of - Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution and Nuclear hazards, Solid waste Management, Disaster management Role of an individual in prevention of pollution, Pollution case studies.

Module-5

Social Issues and the Environment: Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case Studies. Wasteland reclamation, Consumerism and waste products, Environment Protection Act, Air (Prevention and Control of Pollution) Act, Water (Prevention and control of Pollution) Act, Wildlife Protection Act, Forest Conservation Act, Issues involved in enforcement of environmental legislation.

Group assignments:

Assignments related to e-waste management; Municipal solid waste management; Air pollution control systems; Water treatment systems; Wastewater treatment plants; Solar heating systems; Solar power plants; Thermal power plants; Hydroelectric power plants; Biofuels; Environmental status assessments; Energy status assessments etc.

Course Outcomes: At the end of the course, the student will be able to:

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-560 109
Branch : Electronics and Communication Engineering
Academic Year : 2022-23   Semester : 3

NSS 21NS83 : Student List

Sl.No.	USN	Name of the Student
1	1KG21EC004	AKSHITHA URS M C
2	1KG21EC006	ANANYA B SHETTY
3	1KG21EC008	ANANYA N
4	1KG21EC010	ANIKA KAVYA TIPPINNI
5	1KG21EC015	BHUMIKA B R
6	1KG21EC017	CHALLA NITHIN
7	1KG21EC018	CHANDAN YADAV S
8	1KG21EC020	DARSHINI R
9	1KG21EC021	DEVIKA T S
10	1KG21EC022	DHANUSH B
11	1KG21EC023	DILKUSH VISHNOI
12	1KG21EC026	G USHA SHREE
13	1KG21EC030	HARSHINI A
14	1KG21EC031	HARSHITHA R DAS
15	1KG21EC032	HARSHITHA U
16	1KG21EC034	JOSHWA A
17	1KG21EC039	LATHA P N
18	1KG21EC040	LAVANYASHREE T N
19	1KG21EC048	MANSI MANJUNATH LOKHANDAY
20	1KG21EC050	MODIPALLI HARIKA
21	1KG21EC055	NANDAN KUMAR V S
22	1KG21EC059	NITHIN KUMAR N
23	1KG21EC065	PRATAPANENI YOGESH
24	1KG21EC067	R DAXIN
25	1KG21EC070	RAKSHITHA H
26	1KG21EC071	RAM PRASAD P V
27	1KG21EC072	RAYAVARAM ABHINASH
28	1KG21EC074	SAHANA S
29	1KG21EC076	SAI LOKESH C S
30	1KG21EC077	SAI MEGHANA K M
31	1KG21EC079	SANJANA P
32	1KG21EC081	SATHVIK A N
33	1KG21EC082	SHASHANK B VENKATESH
34	1KG21EC083	SHASHANK G NAYAK
35	1KG21EC084	SHASHANK S
36	1KG21EC085	SHIJU LUKOSE
37	1KG21EC087	SIMRAN TAJ B
38	1KG21EC089	SONU N
39	1KG21EC091	SRUJAN R
40	1KG21EC092	SUDHEERSHANA K V
41	1KG21EC094	T VENKATESH
42	1KG21EC100	VANDANA PRAKASH
43	1KG21EC101	VIDYA SAGAR B K
44	1KG21EC102	VIKAS H J
45	1KG21EC103	VRISHALI R
46	1KG21EC104	Y LAHARI
47	1KG21EC105	Y SUPRITH
48	1KG21EC107	YUGANDHAR P
49		COTRA SRAVANI
50		DARSHINI T S
51		KARTHIK C M
52		KRUTHIK ACHAR R
53		MALLESH N
54		MEGHA S KANKANAMELI
55		SHASHANK R
56		SHIVA SHANKAR N

Received

HOD Signature

Professor & Head
Dept. of Electronics & Communication Engineering
K. S. School of Engineering & Management
Bangalore-560 109

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-560 109

Branch : Electronics and Communication Engineering

Academic Year : 2022-23   Semester : 3

SPORTS 21PE83 : Student List

Sl.No.	USN	Name of the Student
1	1KG21EC001	A VENISHA CHOWDARY
2	1KG21EC002	ABHINANDAN A
3	1KG21EC003	AJAY N V
4	1KG21EC005	AMILINENI YASWANTH
5	1KG21EC009	ANAVULAMUDI HARIKRISHNA CHOWDARY
6	1KG21EC011	ASHOK J SUTHAR
7	1KG21EC012	BANAPURAM UDAY KIRAN
8	1KG21EC013	BHARGAV R RAO
9	1KG21EC016	BODAPATI MARUTHI CHOWDARY
10	1KG21EC019	DARAPANENI ABHINAY CHOWDARY
11	1KG21EC024	G MAHITHA
12	1KG21EC025	G S TEJAS
13	1KG21EC027	GANESH R
14	1KG21EC028	GARLAPATI YUVA TEJA NAIDU
15	1KG21EC029	GONGUNTLA PAVAN KUMAR
16	1KG21EC033	JEEVAN A A
17	1KG21EC035	JYOTHISH K
18	1KG21EC036	K ATAPPA GARI JEEVAN SAI REDDY
19	1KG21EC038	KORRAKUTI SAI CHENNA KESAVA NAIDU
20	1KG21EC041	LIKITH N
21	1KG21EC042	M PRASHANTH KUMAR
22	1KG21EC043	MAHESH K
23	1KG21EC044	MALLEMPUTA LAKSHMI
24	1KG21EC045	MANISH S
25	1KG21EC046	MANOJ P K
26	1KG21EC047	MANOJ S
27	1KG21EC049	MELLAMPUTI ABHILASH
28	1KG21EC051	MOHAMMED ZAID F
29	1KG21EC052	MUTHINENI LIKITHA
30	1KG21EC053	MUTHU BHARATH
31	1KG21EC054	NAGARAJ CHANDRAKANT VAGGA
32	1KG21EC056	NAVEEN KUMAR K
33	1KG21EC057	NIKHIL P N
34	1KG21EC058	NITHIN B
35	1KG21EC060	PATHAKAMURI BALA CHANDRA
36	1KG21EC061	PAVAN K N
37	1KG21EC062	PAVAN M D
38	1KG21EC063	PAVAN S
39	1KG21EC064	PRAMOD S
40	1KG21EC066	PUNITH P
41	1KG21EC068	R M LAVYA
42	1KG21EC069	RAGAVENDRA NAIDU A R
43	1KG21EC073	ROHITH M J
44	1KG21EC075	SAI CHOWDARY L
45	1KG21EC078	SANDI REDDY ABHINAY
46	1KG21EC080	SARIPUTI CHENNAKESAVA NAIDU
47	1KG21EC086	SHREYA M DAMBAL
48	1KG21EC088	SONISH K R
49	1KG21EC090	SPOORTHI V
50	1KG21EC095	TEJAS K
51	1KG21EC096	THANUSHA R
52	1KG21EC097	THARUN KUMAR D R
53	1KG21EC098	THEERTHA RAJ G
54	1KG21EC099	V NIKHIL
55	1KG21EC106	YASWANTH PADAPATI
56		AJITH M
57		ANURAAG G V
58		CHANDRASEKAR B
59		CHETHAN SHANKARGOUDA EGANGOUDAR
60		K UDAY KIRAN
61		KODIDLA VANAJA
62		MADAN GOWDA K S
63		MOHAMMED AYMAAN
64		SAGAR K A
65		SHARATH KUMAR G B
66		YENUGANTI NITHEESH KUMAR

HOD Signature
Professor & Head
Dept. of Electronics & Communication Engineering
K. S. School of Engineering & Management

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
B.E. in Electronics and Communication Engineering (ECE)
Scheme of Teaching and Examinations 2021
Outcome Based Education (OBE) and Choice Based Credit System (CBCS)
(Effective from the academic year 2021 - 22)

III SEMESTER

Sl. No	Course and Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Theory Lecture (L)	Tutorial (T)	Practical/ Drawing (P)	Self -Study (S)	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credit
1	BSC 21MAT31	Mathematics Course (Common to all)	TD- Maths PSB-Maths					03	50	50	100	3
2	IPCC 21EC32	Digital System Design using Verilog	TD: ECE PSB: ECE	3	0	2		03	50	50	100	4
3	IPCC 21EC33	Basic Signal Processing	TD: ECE PSB: ECE	3	0	2		03	50	50	100	4
4	PCC 21EC34	Analog Electronic Circuits	TD: ECE PSB: ECE	3	0	0	1	03	50	50	100	3
5	PCC 21ECL35	Analog and Digital Electronics Lab	TD: ECE PSB: ECE	0	0	2		03	50	50	100	1
6	UHV 21UH36	Social Connect and Responsibility	Any Department	0	0	1		01	50	50	100	1
7	HSMC 21KSK37/47	Samskrutika Kannada	TD and PSB HSMC	1	0	0		01	50	50	100	1
	HSMC 21KBK37/47	Balake Kannada										
		OR										
	HSMC 21CIP37/47	Constitution of India and Professional Ethics										
8	AEC 21EC38X	Ability Enhancement Course - III	TD: Concerned department PSB: Concerned Board	If offered as Theory Course 1 / 0 / 0 — 01; If offered as lab. course 0 / 0 / 2 — 02					50	50	100	1
							Total		400	400	800	18

9	Scheduled activities for III to VIII semesters	NMDC 21NS83 — National Service Scheme (NSS) — NSS; NMDC 21PE83 — Physical Education (PE)(Sports and Athletics) — PE; NMDC 21YO83 — Yoga — Yoga	All students have to register for any one of the course namely National Service Scheme, Physical Education (PE)(Sports and Athletics) and Yoga with the concerned coordinator of the course during the first week of III semester. The activities shall be carried out between III semester to VIII semester (for 5 semesters). SEE in the above courses shall be conducted during VIII semester examinations and the accumulated CIE marks shall be added to the SEE marks. Successful completion of the registered course is mandatory for the award of the degree. The events shall be appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE and Yoga activities.

Course prescribed to lateral entry Diploma holders admitted to III semester B.E./B.Tech programs

Sl. No	Course Code	Course Title	TD	L	T	P	S	Duration	CIE	SEE	Total	Credit
1	NCMC 21MATDIP31	Additional Mathematics - I	Maths	02	02	--	--	---	100	---	100	0

Note: BSC: Basic Science Course, **IPCC:** Integrated Professional Core Course, **PCC:** Professional Core Course, **INT** –Internship, **HSMC:** Humanity and Social Science & Management Courses, **AEC**–Ability Enhancement Courses. **UHV:** Universal Human Value Course.
L –Lecture, **T** – Tutorial, **P**- Practical/ Drawing, **S** – Self Study Component, **CIE:** Continuous Internal Evaluation, **SEE:** Semester End Examination. **TD**- Teaching Department, **PSB:** Paper Setting department

21KSK37/47 Samskrutika Kannada is for students who speak, read and write Kannada and **21KBK37/47** Balake Kannada is for non-Kannada speaking, reading, and writing students.

Integrated Professional Core Course (IPCC): Refers to Professional Theory Core Course Integrated with practical of the same course. Credit for IPCC can be 04 and its Teaching–Learning hours (L : T : P) can be considered as (3 : 0 : 2) or (2 : 2 : 2). The theory part of the IPCC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from the practical part of IPCC shall be included in the SEE question paper. For more details, the regulation governing the Degree of Bachelor of Engineering /Technology (B.E./B.Tech.) 2021-22 may be referred.

K S School of Engineering and Management
Department of Electronics and Communication Engineering
Open Elective:Energy and Environment(18ME751)
Academic year 2022-23(ODD Semester)
List of ECE students opted open elective offered from Dept. of Mechanical Engineering

Sl.No	Name of the student	USN	Contact Number	Signature
1	V Bharath Kumar	1KG17EC088	9441173548	
2	Maheshwari. Av	1KG18EC031	7483924589	
3	Aafiya Kulsoom	1KG19EC001	8861433172	
4	Amrit Sarkar	1KG19EC002	6295467089	
5	Anipakula Geervani	1KG19EC004	9160365033	
6	Anjali. M	1KG19EC006	8088485751	
7	Bana Sudheer Kumar Reddy	1KG19EC010	9392404545	
8	Bhagyalakshmi JH	1KG19EC011	7975047646	
9	Bhavana S	1KG19EC013	7353171325	
10	Bindhu Shree R	1KG19EC015	6363333106	
11	C Girishma Sai	1KG19EC016	7093510010	
12	Chaitra.S	1KG19EC017	8088788291	
13	Chandini P	1KG19EC018	7022867915	
14	Charitha P Loganathan	1KG19EC019	8296339002	
15	Deepthi Sshrie RH	1KG19EC022	8951847913	
16	Dhanush M	1KG19EC025	9900725475	
17	Prathyusha Dharmavarapu	1KG19EC026	9390811422	
18	Dheeraj M	1KG19EC027	7019570966	
19	G.Satheesh	1KG19EC030	7094609965	
20	Goalla Likhitha	1KG19EC033	9603060425	
21	Gowthami S	1KG19EC035	7349143180	
22	Harshith Kumar Km	1KG19EC039	9740881260	
23	Kavya Sree	1KG19EC041	6305412647	
24	Jahnavi Ramakrishna	1KG19EC042	9686488188	
25	K Bharath	1KG19EC044	7893097432	
26	Kakarla Sai Abhiram	1KG19EC046	7022960030	
27	Karuna.S	1KG19EC048	9535476722	
28	Kavya C	1KG19EC049	6360925388	
29	Kavya S E	1KG19EC050	7337711226	
30	Keerthana B R	1KG19EC051	9739671039	
31	Sharath Chandra Kovi	1KG19EC052	7330728681	
32	Lavanya B V	1KG19EC053	8971849187	
33	Lingutla Tarun Kumar	1KG19EC054	9100488485	
34	Madan C B	1KG19EC056	9845365967	
35	Dileep Malapati	1KG19EC057	8790995023	
36	Manam Teja	1KG19EC058	8310040639	
37	Manjunath.M	1KG19EC059	7899089304	
38	Modupalli Pavan Kumar	1KG19EC060	7993674470	
39	Monika V G	1KG19EC062	9398926596	

40	Mahesh Narra	1KG19EC064	6304515430	
41	Navya.S	1KG19EC065	8971610659	
42	Niriksha V Murthy	1KG19EC067	8277674681	
43	Nithin L	1KG19EC068	8310903080	
44	Pavan K	1KG19EC070	8217728719	
45	Pokuri Pavani	1KG19EC071	8374207281	
46	Pooja A B	1KG19EC072	7026970216	
47	Prajwal S K	1KG19EC073	8431639103	
48	Pramod.R	1KG19EC074	8867401956	
49	Prashanth G	1KG19EC075	9353786870	
50	Prashanth S	1KG19EC076	7892061421	
51	Prathyusha	1KG19EC077	8431290678	
52	Pratyush Kumar	1KG19EC078	9958734766	
53	R Sasikala	1KG19EC080	9618109421	
54	Raghu R	1KG19EC081	7348811106	
55	Rajdeep Sai	1KG19EC082		
56	Sagar B T	1KG19EC083	9886631649	
57	Saicharitha Y	1KG19EC084	9353733662	
58	Samarth Srinivas	1KG19EC085	8088348126	
59	Shree Raksha H	1KG19EC087	7349525941	
60	Shubha M	1KG19EC088	9380566744	
61	Sireesha. R	1KG19EC089	9535784458	
62	Sneha B	1KG19EC090	9900159685	
63	Steffi K Thomas	1KG19EC091	8088149450	
64	Sudeep G R	1KG19EC092	7022573917	
65	Suma B L	1KG19EC093	9513038567	
66	Surabhi N	1KG19EC094	7619166245	
67	Towqeer Madni	1KG19EC097	7889841418	
68	Vaishnavi U P	1KG19EC098	8971508332	
69	Anil Kumar	1KG19EC099	9381684879	
70	Dheva	1KG20EC400	9901109298	
71	Shivani K Patil	1KG20EC401	9606255852	

Signature of the Co-ordinator

Signature of the HOD
Professor & Head
pt. of Electronics & Communication Engineer...
K. S. School of Engineering & Management
Bangalore-560 109

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K S School of Engineering and Management
Department of Electronics and Communication Engineering
Open Elective:PYTHON APPLICATION PROGRAMMING(18CS752)
AC- 2022-23(ODD Semester)

List of ECE students opted open elective offered from Dept. of Computer Science Engineering

Sl.No	Name of the student	USN	Contact Number	Signature
1	Bheemesh Jetti	1KG19EC043		

Signature of the Co-ordinator

Signature of the HOD

Professor & Head
Dept. of Electronics & Communication Enginee:
K. S. School of Engineering & Managemon
Bangalore-560 109

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K S School of Engineering and Management
Department of Electronics and Communication Engineering
Academic Year-2022-23
Open Elective:ENVIRONMENTAL PROTECTION AND MANAGEMENT(18CV753)
List of ECE students opted open elective offered from Dept. of Civil Engineering

Sl.No	Name of the student	USN	Contact Number	Signature
1	Anirudh G	1KG19EC005	8088298593	
2	Ankush B L	1KG19EC007	7019205092	
3	B Gowtham	1KG19EC008	7022366617	
4	B. Lokesh Babu	1KG19EC009	9361483820	
5	Bharath Kumar R	1KG19EC012	7259641395	
6	Bhuvan S	1KG19EC014	7338007202	
7	Chirag S	1KG19EC020	8884980307	
8	Yaswanth D	1KG19EC021	9100783796	
9	D. Pavan Kumar	1KG19EC023	8317640344	
10	Dhanush K	1KG19EC024	9739643424	
11	Dhureen L	1KG19EC028	8088250869	
12	Durga Prasad G	1KG19EC029	6363939920	
13	Gagan Sagar K M	1KG19EC031	6360362161	
14	Gogineni Gambhir	1KG19EC034	9481419331	
15	B Hari Prasath	1KG19EC037	6380158008	
16	Harish Kashyap	1KG19EC038	6361367692	
17	K Santhiswaroop	1KG19EC045	7337028977	
18	K Sohith	1KG19EC047	6302369063	
19	M.Tharun	1KG19EC055	8247783013	
20	P. Divakar	1KG19EC069	7893685614	
21	R J Yaswanth	1KG19EC079	9100250614	
22	Santosh Kumar	1KG19EC086	6360195889	
23	T Harish	1KG19EC095	6301877918	
24	Thota Mohan Babu	1KG19EC096	9573052029	
25	Tharun	1KG18EC002	6360590751	
26	Girisala Adrsha Naidu	1KG19EC032	9701095882	

Signature of the Co-ordinator

Signature of the HOD

Professor & Head
Dept. of Electronics & Communication Engin...
K. S. School of Engineering & Management
Bangalore-560 109

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