

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU - 560109
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ELECTIVE DETAILS OF VII SEM (2023 - 2024)

PROFESSIONAL ELECTIVE -2

18CS733

18CS734

Advanced Computer Architecture
User Interface Design

PROFESSIONAL ELECTIVE 3

18CS742

18CS744

Network management
Cryptography

OPEN ELECTIVE - B

18ME751

18CV753

18EC751

Energy and Environment
Environmental Protection and Management
Communication Theory


Head-Department

HOD

Department of Computer Science Engineering
K.S School of Engineering & Management...
Bangalore-560109



K. S. SCHOOL OF ENGINEERING AND MANAGEMENT - 560 062

CIRCULAR

Date: 02/08/2023

All the students are hereby informed that following are the open elective course offered by the departments for the semester 2023-24 Odd semester.

Department	Course offered		Faculty name
	Subject code	Subject name	
Department of Civil Engineering	18CV753	Environmental protection and management.	Dr Rashmi H R
Department of Mechanical Engineering	18ME751	Energy and Environment	Mr Parashuram A K
Department of Computer science	18CS752	Phython application programming	Mrs. Jayasubha J Mrs. Nagaveni B Nimbale Mrs. Nita Meshram
Department of Electronics and communication	18EC751	Communication theory	Mrs Bhargawi vijendra sangam

Students are directed to register for anyone of the above electives other than offered from this parent department. The registration is to be done on or before 26 August 2023 in the parent department.

Syllabus is attached for your further information.

CC: Department of Civil Engineering *W. Kelle*
Department of Mechanical Engineering *PK*
Department of Computer science *M. S. H.*
Department of Electronics and communication *- 08*

K. S. Rama
Principal
Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109



K. S. SCHOOL OF ENGINEERING AND MANAGEMENT - 560 062

Department of Civil Engineering

Date: 07/08/2023

All the students are hereby informed that following are the open elective course offered by the departments for the semester 2023-24 Odd semester.

Option entry for Open Elective

USN	STUDENT NAME	Open Elective		
		18ME751	18CS752	18EC751
1KG20CV002	ARUN KUMAR K	<i>Arun K</i>		
1KG20CV003	CHANDAN K	<i>Chandan K</i>		
1KG20CV004	LAKSHMISHA G	<i>Lakshisha G</i>		
1KG20CV005	NIDA MANZOOR TELI	<i>Nida</i>		
1KG20CV006	SKANDA S BARAGUR	<i>Skanda S</i>		
1KG20CV007	SUJITHA E	<i>Sujitha E</i>		
1KG20CV008	SUSHMITHA U	<i>Sushmitha U</i>		
1KG20CV009	V S SUJAN	<i>V S Sujan</i>		
1KG21CV400	BALASUBRAHMANYA R HIRIYUR	<i>Balabrahmya R</i>		
1KG21CV401	BHEEMARAJU C	<i>Bheemaraju C</i>		
1KG21CV402	CHANDAN MN	<i>Chandan MN</i>		
1KG21CV403	CHARAN C S	<i>Charan C S</i>		
1KG21CV404	DARSHAN P	<i>Darshan P</i>		
1KG21CV405	JAIKRISHNA M	<i>Jai Krishna M</i>		
1KG21CV406	KEERTHAN MR	<i>Keerthan MR</i>		
1KG21CV407	NANDA SR	<i>Nanda S R</i>		
1KG21CV408	PANGAMBAM JAICHAND	<i>P. Jaichand</i>		
1KG21CV409	PAVAN S	<i>Pavan S</i>		
1KG21CV410	PRAMOD S	<i>Pramod S</i>		
1KG21CV411	VISHAL M	<i>Vishal M</i>		

M. Kelle

Head of the department

Professor & Head
Dept. of Civil Engineering
K.S. Group of Institutions

K.S. School of Engineering & Management
Bangalore-560 062



Kammavari Sangham (R) 1952
K. S. GROUP OF INSTITUTIONS

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
Approved by AICTE, New Delhi; Affiliated to VTU, Belagavi, Karnataka; Accredited by NAAC

www.ksem.edu.in



DEPARTMENT OF MECHANICAL ENGINEERING

Option Entry for Open Elective

SI NO	USN	NAME	OPEN ELECTIVE - A		
			18CV753	18CS752	18EC751
1	1KG18ME010	RAJASHEKAR REDDY	Rajashekar		
2	1KG19ME009	JEEVAN R	Jeevan		
3	1KG19ME010	KONANKI RAKESH	K. Rakesh		
4	1KG19ME015	NAVEEN KUMAR R	Naveen		
5	1KG20ME001	JAYANTH G	Jayanth		
6	1KG20ME002	L A JISHNU	Jishnu		
7	1KG20ME003	MALLIMPATTU VINAY	M Vinay		
8	1KG20ME005	NITHIN R	Nithin R.		
9	1KG20ME006	PRANAV VISHWANATH	Pranav		
10	1KG20ME007	PRATHWIN B R	prathwin		
11	1KG20ME008	SHREE HARI G	Shree Hari		
12	1KG20ME009	VISHNU H M	Vishnu		
13	1KG21ME400	BHARATH KUMAR P	Bharath		
14	1KG21ME401	CHANDRAKANTH S	Chandranth		
15	1KG21ME402	DARSHAN N	Darshan		
16	1KG21ME403	DARSHAN S	Darshan		
17	1KG21ME404	HARSHA L	Harsha		
18	1KG21ME406	MAHENDRA S	Mahendra		
19	1KG21ME407	MALLIKARJUNA BUDIHAL	Mallikarjun		
20	1KG21ME408	MANU KUMAR T R	Manu		
21	1KG21ME409	MOHAMMED SAQUIB	Saauib		
22	1KG21ME410	MOHAN KRISHNA V	Mohan		
23	1KG21ME411	PAVAN G	Pavan		
24	1KG21ME412	PRAJWAL S	Prajwal		
25	1KG21ME413	VITRESH S	Vitresh		

[Signature]
Head of the Department
Professor & Head
Department Of Mechanical Engineering
K.S. Group Of Institutions
K.S. School Of Engineering & Management
Bangalore-560 109



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1KG20CV002	ARUN KUMAR K	<i>Arun K</i>		
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1KG20CV006	SKANDA S BARAGUR	<i>Skanda S</i>		
1KG20CV007	SUJITHA E	<i>Sujitha E</i>		
1KG20CV008	SUSHMITHA U	<i>Sushmitha U</i>		
1KG20CV009	V S SUJAN	<i>Sujan</i>		
1KG21CV400	BALASUBRAHMANYA R HIRIYUR	<i>Brahmanya</i>		
1KG21CV401	BHEEMARAJU C	<i>Bheemaraju C</i>		
1KG21CV402	CHANDAN MN	<i>Chandan MN</i>		
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1KG21CV406	KEERTHAN MR	<i>Keertan MR</i>		
1KG21CV407	NANDA SR	<i>Nanda SR</i>		
1KG21CV408	PANGAMBAM JAICHAND	<i>P. Jaichand</i>		
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M. Kelle

Head of the department

Professor & Head
Dept. of Civil Engineering
K.S. Group of Institutions
K.S. School of Engineering & Management
Bangalore-560 062



K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

Department of Electronics and Communication Engineering

Date: 18/08/2023


CIRCULAR

Elective subject Preferences for ODD semester September-Jan 2023-2024

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 2023.

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


Coordinator


HOD, ECE

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

Enclosed:
List of Elective subjects from VTU





CIRCULAR

Date: 02/08/2023

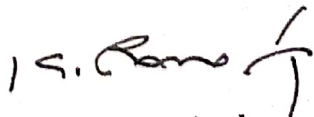
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Department of Mechanical Engineering	18ME751	Energy and Environment	Mr Parashuram A K
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CC: Department of Civil Engineering
Department of Mechanical Engineering
Department of Computer science
Department of Electronics and communication


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Bengaluru - 560 109

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

Organisation for Standardisation, 2004

3. ISO 19011: 2002, "Guidelines for quality and/or Environmental Management System auditing, Bureau of Indian Standards, New Delhi, 2002
4. Paul L Bishop „Pollution Prevention: Fundamentals and Practice, McGraw- Hill International, Boston, 2000.
5. Environmental Management Systems: An Implementation Guide for Small and Medium-Sized Organizations, Second Edition, NSF International, Ann Arbor, Michigan, January 2001.



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:			
<ul style="list-style-type: none"> • 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 <i>Certain Energy Intensive Industries</i>			
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:			

- CO1: Understand energy scenario, energy sources and their utilization.
 CO2: Understand various methods of energy storage, energy management and economic analysis.
 CO3: Analyse the awareness about environment and eco system.
 CO4: Understand the environment pollution along with social issues and acts.

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.

Sl. No.	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
Textbook/s				
1	Textbook for Environmental Studies for Undergraduate Courses of all Branches of Higher Education		University grant commission and Bharathi Vidyapeeth Institute of environment education and Research, Pune	
2	Energy Management Audit & Conservation- for Module 2	Barun Kumar De	Vrinda Publication	2nd Edition 2010
Reference Books				
1	Energy Management Hand book	Turner, W. C., Doty, S. and Truner, W. C	Fairmont Press	7 th Edition 2009
2	Energy Management	Murphy, W. R	Elsevier	2007
3	Energy Management Principles	Smith, C. B	Pergamum	2007
4	Environment pollution control Engineering	C S Rao	New Age International	reprint 2015, 2nd edition
5	Environmental studies	Benny Joseph	Tata McGraw Hill	2nd edition 2008

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			
<ul style="list-style-type: none"> • 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 Programming in 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			
<ul style="list-style-type: none"> • 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:			
<ul style="list-style-type: none"> • The question paper will have ten questions. • Each full Question consisting of 20 marks 			

- There will be 2 full questions (with a maximum of four sub questions) from each module.
- Each full question will have sub questions covering all the topics under a module.
- The students will have to answer 5 full questions, selecting one full question from each module.

Text Books:

1. Charles R. Severance, "**Python for Everybody: Exploring Data Using Python 3**", 1st Edition, CreateSpace Independent Publishing Platform, 2016. (http://do1.dr-chuck.com/pythonlearn/EN_us/pythonlearn.pdf)
2. Allen B. Downey, "**Think Python: How to Think Like a Computer Scientist**", 2nd Edition, Green Tea Press, 2015. (<http://greenteapress.com/thinkpython2/thinkpython2.pdf>) (Download pdf files from the above links)

Reference Books:

1. Charles Dierbach, "**Introduction to Computer Science Using Python**", 1st Edition, Wiley India Pvt Ltd, 2015. ISBN-13: 978-8126556014
2. Gowrishankar S, Veena A, "**Introduction to Python Programming**", 1st Edition, CRC Press/Taylor & Francis, 2018. ISBN-13: 978-0815394372
3. Mark Lutz, "**Programming Python**", 4th Edition, O'Reilly Media, 2011. ISBN-13: 978-9350232873
4. Roberto Tamassia, Michael H Goldwasser, Michael T Goodrich, "**Data Structures and Algorithms in Python**", 1st Edition, Wiley India Pvt Ltd, 2016. ISBN-13: 978-8126562176
5. Reema Thareja, "**Python Programming Using Problem Solving Approach**", Oxford university press, 2017. ISBN-13: 978-0199480173

COMMUNICATION THEORY
VII SEMESTER – Open Elective-B
[As per Choice Based Credit System (CBCS) scheme]

Course Code	18EC751	CIE Marks	40
Number of Lecture Hours/Week (L:T:P)	03	SEE Marks	60
CREDITS	03	Exam Hours	03

Course 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 to 1.10)

Module -2

Noise: Classification and source of noise (TEXT1:3.1)

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 (TEXT1: 5.1,5.2, 5.5)

Analog Transmission and Reception: AM Radio transmitters, AM Radio Receivers (TEXT1:6.1,6.2)

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)

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)

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, Frequency reuse distance(TEXT 2: 4.1 to 4.7)

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

- Describe operation of communication systems.
- Understand the techniques of Amplitude and Angle modulation.
- Understand the concept of sampling and quantization.
- Understand the concepts of different digital modulation techniques.
- 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.

Text Books:

1. Analog and Digital Communications by T L Singal, McGraw Hill Education (India) Private Limited.
2. Wireless Communications by T L Singal, McGraw Hill Education (India) Private Limited.

Reference Books:

1. **Modern digital and analog Communication systems** B. P. Lathi, Oxford University Press., 4th ed, 2010,
2. **Communication Systems: Analog and Digital**, R.P.Singh and S.Sapre: TMH 2nd edition, 2007
3. **Introduction to wireless telecommunications systems and networks** by Gray J Mullett, Cengage learning.

K S School of Engineering and Management

Department of Electronics and Communication Engineering

Open Elective list

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

Subject with code: 18CV753-Environmental Protection and Management(Open Elective-B)

Sl.No	Name of the student	USN	Contact No.
1	Mohammed Junaid M Guddad	1KG19EC061	7338644452
2	A Harshath	1KG20EC001	9392655068
3	A. Yuvasree	1KG20EC002	8341356642
4	Adusumalli Rohith	1KG20EC003	9573721563
5	Akshatha.S	1KG20EC004	7204378803
6	Athish Naveen	1KG20EC005	7406433565
7	Chaitra L	1KG20EC006	7892524925
8	Chandana R	1KG20EC007	8660642156
9	Dhanya Deepika	1KG20EC008	7995481006
10	G Neeraj	1KG20EC010	6309471245
11	Pooja Gudivada	1KG20EC011	6303125962
12	G Jyothiswar Reddy	1KG20EC012	9347338060
13	Gudi.Bharathkumar	1KG20EC013	6300973201
14	K.Gowtham	1KG20EC014	9381132067
15	K Jaswanth Chowdary	1KG20EC015	9347889339
16	Kishore Kumar M	1KG20EC016	9360906516
17	Koushik	1KG20EC017	6363514910
18	Kuche Raviteja	1KG20EC018	9182920622
19	M B Hemanth	1KG20EC019	9242401965
20	M Lokesh	1KG20EC020	9345491405
21	Makkena Hemanth	1KG20EC021	9502740830
22	Malepati Kaivalya	1KG20EC022	9154380288
23	Mannam Vandana	1KG20EC023	9535645252
24	N S Banuprasad	1KG20EC024	8903045583
25	Narra Bhaskar Naidu	1KG20EC025	9391601206
26	Narra Siri	1KG20EC026	7013644471
27	Neha Kumari . S	1KG20EC027	7275015752
28	Nishanth N	1KG20EC028	7892398842
29	Nithin G N	1KG20EC029	8123510112
30	P Haritha	1KG20EC030	9030203517
31	Pooja R	1KG20EC031	9113051430
32	Pothugunta Sai Kethan Chowdary	1KG20EC032	8639590409
33	Punith P	1KG20EC033	8197389889
34	R Parthiban	1KG20EC034	7406024648
35	Raghavendra C	1KG20EC035	9380396663
36	Rakshitha M	1KG20EC036	6363962749
37	Sachin.R	1KG20EC037	7483657379
38	Sadhana Hd	1KG20EC038	9686532697
39	Saliseemala Uma Chowdary	1KG20EC039	6302373732
40	Saliseemala Usha Chowdary	1KG20EC040	9390901895

41	Suprith R	1KG20EC042	8310199242
42	Tanuja N	1KG20EC043	7204777967
43	Tejashree M	1KG20EC044	8951874952
44	Ujwala H S	1KG20EC045	7411444306
45	Uma.C	1KG20EC046	8884290057
46	V Sasidhar	1KG20EC047	8341671736
47	Yashaswini R	1KG20EC048	9663110823
48	Nishanth Gowda M	1KG21EC400	8123073468
49	Swamy M	1KG21EC401	8217038475



Signature of Coordinator



HOD

Professor & Head

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

K S School of Engineering and Management

Department of Electronics and Communication Engineering

Open Elective list

List of ECE students opted Professional elective offered from Dept. of ECE

Subject with code: 18EC732-Satellite Communication(Professional Elective-2)

Sl.No	Name of the student	USN	Contact No.
1	Mohammed Junaid M Guddad	1KG19EC061	7338644452
2	A Harshath	1KG20EC001	9392655068
3	A. Yuvasree	1KG20EC002	8341356642
4	Adusumalli Rohith	1KG20EC003	9573721563
5	Akshatha.S	1KG20EC004	7204378803
6	Athish Naveen	1KG20EC005	7406433565
7	Chaitra L	1KG20EC006	7892524925
8	Chandana R	1KG20EC007	8660642156
9	Dhanya Deepika	1KG20EC008	7995481006
10	G Neeraj	1KG20EC010	6309471245
11	Pooja Gudivada	1KG20EC011	6303125962
12	G Jyothiswar Reddy	1KG20EC012	9347338060
13	Gudi.Bharathkumar	1KG20EC013	6300973201
14	K.Gowtham	1KG20EC014	9381132067
15	K Jaswanth Chowdary	1KG20EC015	9347889339
16	Kishore Kumar M	1KG20EC016	9360906516
17	Koushik	1KG20EC017	6363514910
18	Kuche Raviteja	1KG20EC018	9182920622
19	M B Hemanth	1KG20EC019	9242401965
20	M Lokesh	1KG20EC020	9345491405
21	Makkena Hemanth	1KG20EC021	9502740830
22	Malepati Kaivalya	1KG20EC022	9154380288
23	Mannam Vandana	1KG20EC023	9535645252
24	N S Banuprasad	1KG20EC024	8903045583
25	Narra Bhaskar Naidu	1KG20EC025	9391601206
26	Narra Siri	1KG20EC026	7013644471
27	Neha Kumari . S	1KG20EC027	7275015752
28	Nishanth N	1KG20EC028	7892398842
29	Nithin G N	1KG20EC029	8123510112
30	P Haritha	1KG20EC030	9030203517
31	Pooja R	1KG20EC031	9113051430
32	Pothugunta Sai Kethan Chowdary	1KG20EC032	8639590409
33	Punith P	1KG20EC033	8197389889
34	R Parthiban	1KG20EC034	7406024648
35	Raghavendra C	1KG20EC035	9380396663
36	Rakshitha M	1KG20EC036	6363962749
37	Sachin.R	1KG20EC037	7483657379
38	Sadhana Hd	1KG20EC038	9686532697
39	Saliseemala Uma Chowdary	1KG20EC039	6302373732
40	Saliseemala Usha Chowdary	1KG20EC040	9390901895

41	Suprith R	1KG20EC042	8310199242
42	Tanuja N	1KG20EC043	7204777967
43	Tejashree M	1KG20EC044	8951874952
44	Ujwala H S	1KG20EC045	7411444306
45	Uma.C	1KG20EC046	8884290057
46	V Sasidhar	1KG20EC047	8341671736
47	Yashaswini R	1KG20EC048	9663110823
48	Nishanth Gowda M	1KG21EC400	8123073468
49	Swamy M	1KG21EC401	8217038475



Signature of Coordinator



HOB

Professor & Head

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

K S School of Engineering and Management

Department of Electronics and Communication Engineering

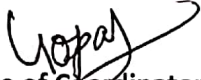
Open Elective list

List of ECE students opted Professional elective offered from Dept. of ECE

Subject with code: 18EC743-Multimedia Communication(Professional Elective-3)

Sl.No	Name of the student	USN	Contact No.
1	Mohammed Junaid M Guddad	1KG19EC061	7338644452
2	A Harshath	1KG20EC001	9392655068
3	A. Yuvasree	1KG20EC002	8341356642
4	Adusumalli Rohith	1KG20EC003	9573721563
5	Akshatha.S	1KG20EC004	7204378803
6	Athish Naveen	1KG20EC005	7406433565
7	Chaitra L	1KG20EC006	7892524925
8	Chandana R	1KG20EC007	8660642156
9	Dhanya Deepika	1KG20EC008	7995481006
10	G Neeraj	1KG20EC010	6309471245
11	Pooja Gudivada	1KG20EC011	6303125962
12	G Jyothiswar Reddy	1KG20EC012	9347338060
13	Gudi.Bharathkumar	1KG20EC013	6300973201
14	K.Gowtham	1KG20EC014	9381132067
15	K Jaswanth Chowdary	1KG20EC015	9347889339
16	Kishore Kumar M	1KG20EC016	9360906516
17	Koushik	1KG20EC017	6363514910
18	Kuche Raviteja	1KG20EC018	9182920622
19	M B Hemanth	1KG20EC019	9242401965
20	M Lokesh	1KG20EC020	9345491405
21	Makkena Hemanth	1KG20EC021	9502740830
22	Malepati Kaivalya	1KG20EC022	9154380288
23	Mannam Vandana	1KG20EC023	9535645252
24	N S Banuprasad	1KG20EC024	8903045583
25	Narra Bhaskar Naidu	1KG20EC025	9391601206
26	Narra Siri	1KG20EC026	7013644471
27	Neha Kumari . S	1KG20EC027	7275015752
28	Nishanth N	1KG20EC028	7892398842
29	Nithin G N	1KG20EC029	8123510112
30	P Haritha	1KG20EC030	9030203517
31	Pooja R	1KG20EC031	9113051430
32	Pothugunta Sai Kethan Chowdary	1KG20EC032	8639590409
33	Punith P	1KG20EC033	8197389889
34	R Parthiban	1KG20EC034	7406024648
35	Raghavendra C	1KG20EC035	9380396663
36	Rakshitha M	1KG20EC036	6363962749
37	Sachin.R	1KG20EC037	7483657379
38	Sadhana Hd	1KG20EC038	9686532697
39	Saliseemala Uma Chowdary	1KG20EC039	6302373732
40	Saliseemala Usha Chowdary	1KG20EC040	9390901895

41	Suprith R	1KG20EC042	8310199242
42	Tanuja N	1KG20EC043	7204777967
43	Tejashree M	1KG20EC044	8951874952
44	Ujwala H S	1KG20EC045	7411444306
45	Uma.C	1KG20EC046	8884290057
46	V Sasidhar	1KG20EC047	8341671736
47	Yashaswini R	1KG20EC048	9663110823
48	Nishanth Gowda M	1KG21EC400	8123073468
49	Swamy M	1KG21EC401	8217038475



Signature of Coordinator



HOD

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K.S. School of Engineering & Management
Bangalore - 560 109.



K S SCHOOL OF ENGINEERING AND MANAGEMENT
#15, Mallasandra, Near Vajarahalli, Off Kanakapura Raod,
Bengaluru 560109

DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF ELECTIVE COURSE OFFERED

SEM: 3rd SEMESTER

DATE: 15/10/24

Sl No	USN	NAME									SIGNATURE
			BME306A	BME306B	BME306C	BME306D	BME358A	BME358B	BME358C	BME358D	
1	1KG22ME001	ANEESH L ARADHYA				✓				✓	Vinay
2	1KG22ME002	ASHIK B K				✓				✓	Ashik
3	1KG22ME005	PRAJWAL M S				✓				✓	Prajwal
4	1KG22ME006	ROHAN PRADEEP TEMKAR				✓				✓	Rohan
5	1KG22ME007	SURYA N				✓				✓	Surya
6	1KG22ME008	YASHWANTH GOWDA S				✓				✓	Yashwanth
7	1KG23ME400	ABHISHEK A				✓				✓	Abhishek
8	1KG23ME401	ADITYA SHIVARAM K				✓				✓	Aditya
9	1KG23ME402	AJAY SRINIVAS				✓				✓	Ajay
10	1KG23ME403	ANAND RAJ K				✓				✓	Anand
11	1KG23ME404	ANAND S				✓				✓	Anand
12	1KG23ME405	CHANDU K S				✓				✓	Chandu
13	1KG23ME406	DHANUSH PRABHA V				✓				✓	Dhanush
14	1KG23ME407	DHRUVA R				✓				✓	Dhruva
15	1KG23ME408	HARISH C				✓				✓	Harish
16	1KG23ME409	JAMAL AHAMED				✓				✓	Jamal
17	1KG23ME410	KIRAN KUMAR N				✓				✓	Kiran
18	1KG23ME411	LOHITH S				✓				✓	Lohith
19	1KG23ME412	MADAN KUMAR				✓				✓	Madan
20	1KG23ME413	NAYAN S N				✓				✓	Nayan
21	1KG23ME414	P DHANUSH				✓				✓	P Dhanush
22	1KG23ME415	PARTHA M				✓				✓	Partha
23	1KG23ME416	RANGARAJU C K				✓				✓	Rangaraju
24	1KG23ME417	REHAMAN SHARIFF				✓				✓	Rehaman
25	1KG23ME418	ROHITH J				✓				✓	Rohith
26	1KG23ME419	SANJAY K S				✓				✓	Sanjay
27	1KG23ME420	SHASHI KUMAR M				✓				✓	Shashi
28	1KG23ME421	SUHAS M				✓				✓	Suhas
29	1KG23ME422	SUHAS PATEL P				✓				✓	Suhas
30	1KG23ME423	SURAKSHITH KUMAR V				✓				✓	Surakshith
31	1KG23ME424	VAMSHI S				✓				✓	Vamshi

(Signature)
HEAD OF THE DEPARTMENT
Professor & Head

Department Of Mechanical Engineering
 K.S. Group Of Institutions
 K.S. School Of Engineering & Management
 Bengaluru-560 109

(Signature)
PRINCIPAL

Dr. K. RAMA NARASIMHA
 Principal/Director
 K S School of Engineering and Management
 Bengaluru - 560 109



K S SCHOOL OF ENGINEERING AND MANAGEMENT

#15, Mallasandra, Near Vajarahalli, Off Kanakapura Raod,
Bengaluru 560109

DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF ELECTIVE COURSE OFFERED

SEM: 3rd SEMESTER

DATE: 15/10/24

Professional Elective - 1

Sl. No.	Course Code Under 18ME306X	Course Title
1	BME306A	ELECTRIC AND HYBRID VEHICLE TECHNOLOGY
2	BME306B	SMART MATERIALS & SYSTEMS
3	BME306C	INTERNET OF THINGS
4	BME306D	WASTE HANDLING & MANAGEMENT

Professional Elective - 3

Sl. No.	Course Code Under 18ME358X	Course Title
1	BME358A	ADVANCED PYTHON PROGRAMMING
2	BME358B	INTRODUCTION TO VIRTUAL REALITY
3	BME358C	SPREADSHEET FOR ENGINEERS
4	BME358D	TOOLS IN SCIENTIFIC COMPUTING


HEAD OF THE DEPARTMENT

Professor & Head

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K.S. School Of Engineering & Man
Bangalore-560 109


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Bengaluru - 560 109



K S SCHOOL OF ENGINEERING AND MANAGEMENT
 #15, Mallasandra, Near Vajarahalli, Off Kanakapura Raod,
 Bengaluru 560109

DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF PROFESSIONAL ELECTIVE COURSE OFFERED

SEM: 7th SEMESTER

DATE: 20/09/23

SL NO	USN	NAME											SIGNATURE		
			18ME731	18ME732	18ME733	18ME734	18ME735	18ME741	18ME742	18ME743	18ME744	18ME745			
1	1KG18ME010	RAJASHEKAR REDDY				✓		✓							Rajashekar Reddy
2	1KG19ME009	JEEVAN R				✓		✓							Jeevan R
3	1KG19ME010	KONANKI RAKESH				✓		✓							Konanki Rakesh
4	1KG19ME015	NAVEEN KUMAR R				✓		✓							Naveen Kumar R
5	1KG20ME001	JAYANTH G				✓		✓							Jayanth G
6	1KG20ME002	L A JISHNU				✓		✓							L A Jishnu
7	1KG20ME003	MALLIMPATTU VINAY				✓		✓							Mallimpattu Vinay
8	1KG20ME005	NITHIN R				✓		✓							Nithin R
9	1KG20ME006	PRANAV VISHWANATH				✓		✓							Pranav
10	1KG20ME007	PRATHWIN B R				✓		✓							Prathwin B R
11	1KG20ME008	SHREE HARI G				✓		✓							Shree Hari G
12	1KG20ME009	VISHNU H M				✓		✓							Vishnu H M
13	1KG21ME400	BHARATH KUMAR P				✓		✓							Bharath Kumar P
14	1KG21ME401	CHANDRAKANTH S				✓		✓							Chandrakanth S
15	1KG21ME402	DARSHAN N				✓		✓							Darshan N
16	1KG21ME403	DARSHAN S				✓		✓							Darshan S
17	1KG21ME404	HARSHA L				✓		✓							Harsha L
18	1KG21ME406	MAHENDRA S				✓		✓							Mahendra S
19	1KG21ME407	MALLIKARJUNA BUDIHAL				✓		✓							Mallikarjuna Budi Hal
20	1KG21ME408	MANU KUMAR T R				✓		✓							Manu Kumar T R
21	1KG21ME409	MOHAMMED SAQUIB				✓		✓							Mohammed Saquib
22	1KG21ME410	MOHAN KRISHNA V				✓		✓							Mohan Krishna V
23	1KG21ME411	PAVAN G				✓		✓							Pavan G
24	1KG21ME412	PRAJWAL S				✓		✓							Prajwal S
25	1KG21ME413	VITHESH S				✓		✓							Vithesh S

HEAD OF THE DEPARTMENT
Professor & Head

Department Of Mechanical Engineering
 K.S. Group Of Institutions
 K.S. School Of Engineering & Management
 Bangalore-560 109

PRINCIPAL

Dr. K. RAMA NARASIMHA
 Principal/Director
 K S School of Engineering and Management
 Bengaluru - 560 109



K S SCHOOL OF ENGINEERING AND MANAGEMENT
#15, Mallasandra, Near Vajarahalli, Off Kanakapura Raod,
Bengaluru 560109

DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF PROFESSIONAL ELECTIVE COURSE OFFERED

SEM: 7th SEMESTER

DATE: 02/09/23

Professional Elective - 2

Sl. No.	Course Code Under 18ME73X	Course Title
1	18ME731	DESIGN FOR MANUFACTURE
2	18ME732	AUTOMATION AND ROBOTICS
3	18ME733	COMPUTATIONAL FLUID DYNAMICS
4	18ME734	TOTAL QUALITY MANAGEMENT ✓
5	18ME735	OPERATIONS RESEARCH

Professional Elective - 3

Sl. No.	Course Code Under 18ME74X	Course Title
1	18ME741	ADDITIVE MANUFACTURING
2	18ME742	EMERGING SUSTAINABLE BUILDING COOLING TECHNOLOGY
3	18ME743	THEORY OF PLASTICITY
4	18ME744	MECHATRONICS
5	18ME745	PROJECT MANAGEMENT


HEAD OF THE DEPARTMENT

Professor & Head

Department Of Mechanical Engineering
K.S. Group Of Institutions
K.S. School Of Engineering & Management
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PRINCIPAL

Dr. K. Ravi Shankar
Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU - 560109

DEPARTMENT OF MANAGEMENT STUDIES AND RESEARCH CENTRE

SESSION: 2023-2024 (ODD SEMESTER)

III Semester, MBA (Batch: 2022-24)



KSSEM

Sl No	USN	NAME	Specilization Obtated	Change of Specilization	SIGNATURE
1	1KG22BA001	AKASH E	FBA	FBA	Akash
2	1KG22BA002	AMRUTHA Y V	FBA	FHR	Amrutha Y V
3	1KG22BA003	APEKSHA S	FBA	FBA	Apeksha .s.
4	1KG22BA004	APOORVA K V	FHR	FHR	Apoorva .K.V
5	1KG22BA005	BEENA MARY M	FBA	FBA	Beena M
6	1KG22BA006	BHAVYA M	FBA	FBA	Bhavya
7	1KG22BA007	CHANDANA V	FHR	FHR	Chandana
8	1KG22BA008	CHANDROLLA CHANDRIKA	FHR	FHR	Chandrika
9	1KG22BA010	DEEPA L	FBA	FBA	Deepa
10	1KG22BA011	DHARANI B	FBA	FBA	Dharani
11	1KG22BA012	DIWAKAR SHARMA	FBA	FM	Diwakar
12	1KG22BA013	D RAKESH REDDY	FBA	FBA	D. Rakesh
13	1KG22BA014	DURGAPRASAD M	FM	FM	Durgaprasad
14	1KG22BA015	GAJULA PRAVEEN KUMAR	MBA	MBA	Gajula
15	1KG22BA016	HARSHITHA B	MBA	MBA	Harshitha .B
16	1KG22BA017	HEMANTH YADAV S U	FBA	FBA	Hemant
17	1KG22BA018	K DINESH	FBA	FBA	K Dinesh
18	1KG22BA019	KIRAN KUMAR K	FHR	FHR	Kiran
19	1KG22BA020	KRUTHIKA H	FBA	FBA	Kruthika H
20	1KG22BA021	M VANI	HRBA	HRBA	M. Vani
21	1KG22BA022	MADVESH RAO S	FBA	FBA	Madvesh
22	1KG22BA023	MALLIKARJUNA N	MBA	MBA	Mallikarjuna
23	1KG22BA024	MEGHA A	FBA	FM	Megha .A.
24	1KG22BA025	MONISHA N	HRBA	HRBA	Monisha
25	1KG22BA026	MUKKARA SAI CHANDANA CHOWDARY	HRBA	HRBA	Sai Chandana
26	1KG22BA027	NAMRATHA A V	FHR	FHR	Namratha
27	1KG22BA028	NAVEEN G	FHR	FHR	Naveen
28	1KG22BA029	NIKITHA B	FBA	FBA	Nikitha .B
29	1KG22BA030	NITHYA S R	FBA	FBA	Nithya
30	1KG22BA031	NIVEDITHA M K	FBA	FBA	Niveditha .M.K
31	1KG22BA032	PALEGAR RAJU	MBA	MBA	P. Raju
32	1KG22BA033	PALLAVI K N	FBA	FHR	Pallavi K N

33	1KG22BA034	PAVAN KALYAN P R	FBA	FBA	Pavan Kalyan P R
34	1KG22BA035	POLEPALLI HARI BABU	FM	FM	Hari Babu
35	1KG22BA036	POOJA VASANTH RAJ URASU	FHR	FHR	Pooja
36	1KG22BA037	POORNIMA R	FBA	FBA	Poorna
37	1KG22BA038	POTHULA PRAVEEN KUMAR	FBA	FBA	Praveen
38	1KG22BA039	PRAPULLA KUMAR M	FBA	FHR	Prapulla
39	1KG22BA040	PRIYANKA K	FHR	FHR	Priyanka K
40	1KG22BA041	RAGHAVENDRA R	FM	FM	Raghu
41	1KG22BA042	RAKSHITHA N	FBA	FBA	Rakshitha N
42	1KG22BA043	RAKSHITHA Y M	FHR	FHR	Rakshitha Y. M
43	1KG22BA044	RATHAN Y C	FBA	FBA	Rathan
44	1KG22BA045	RAYAPATI SUJITHA	FM	FM	R. Sujitha
45	1KG22BA046	SAGAR A S	FBA	FBA	Sagar A.S
46	1KG22BA047	SANGEETHA A S	FBA	FBA	Sangeetha
47	1KG22BA048	SATHISH B	MBA	MBA	Sathish B
48	1KG22BA049	SHARATH KUMAR K N	FBA	FBA	Sharath
49	1KG22BA050	SHRAVANI J	HRBA	HRBA	Shravan
50	1KG22BA051	SINDHU K	HRBA	HRBA	Sindhu
51	1KG22BA052	SNEHA G	FHR	FHR	Sneha
52	1KG22BA053	SUDEEP S	FM	FM	Sudeep
53	1KG22BA054	SUMAVATHI G	FHR	FHR	Suma
54	1KG22BA055	SUPRIYA K	FBA	FBA	K. Supriya
55	1KG22BA056	TEJASHWINI D R	FBA	FBA	Tejashwini
56	1KG22BA057	VENUGOPAL	FM	FM	Venu
57	1KG22BA058	VISHALAKSHI K M	FBA	FBA	Vishal
58	1KG22BA059	VISHWAS A N	FBA	FBA	Vishwas
59	1KG22BA060	YAMUNA G B	FBA	FBA	Yamuna G B

Adithi
COORDINATOR

Roop
HOD-MBA

K. Rama
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