



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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NAAC "B++" Accredited Institute

Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram -531162

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1.3.1 Institution integrates Crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in to Curriculum.

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DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

CLASS TIME TABLE AY -2021-2022

CLASS:I BTECH ISEM

BRANCH: CSM

DAY	9:50 – 10:40	10:40- 11:30	11:30- 12:20	12:20- 1:10	1.10-1.50	1:50- 2:40	2.40-3.30	3.30- 4.20
MONDAY	ENG	PPS	AC	M-I	LUNCH BREAK	CWS LAB/ AC LAB		
TUESDAY	AC	ENG	M-I	M-I		PPS	PPS	ES
WEDNESDAY	ENG	PPS LAB				AC	M-I	SPORTS
THURSDAY	ENG	AC LAB / CWS LAB				M-I	PPS	AC
FRIDAY	AC	PPS	M-I	AC		ELCS LAB		
SATURDAY	AC	PPS	M-I	LIBRARY		ES	MENTOR	PPS

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Mrs D.Padmini	Asst.Prof	Mathamatics – I	BS&H
2	Dr R .Hema Latha	Asst.Prof	English	BS&H
3	Mr. B Praveen Kumar	Asst.Prof	Applied Chemistry	BS&H
4	Mrs G.Kanakamahalaxmi	Asst.Prof	Programming For Problem Solving Using C	CSE
5	Mrs. CH. Sravanthi	Asst.Prof	Computer Eng Workshop	CSE
6	Mr. B Praveen Kumar	Asst.Prof	Applied Chemistry Lab	BS&H
7	Dr R .Hema Latha	Asst.Prof	English Communication Skills Lab	BS&H
8	Mrs G.Kanakamahalaxmi	Asst.Prof	Programming For Problem Solving Using C Lab	CSE
9	Mrs G Sunitha Rani	Asst.Prof	Environment Science	BS&H

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CLASS TIME TABLE AY -2021-2022

CLASS:I BTECH ISEM

BRANCH: CSD

DAY	9:50 – 10:40	10:40- 11:30	11:30- 12:20	12:20- 1:10	1.10-1.50	1:50- 2:40	2.40-3.30	3.30-4.20
MONDAY	M-I	PPS	AC	ENG	LUNCH BREAK	AC	M-I	PPS
TUESDAY	AC	M-I		ES		PPS	PPS	SPORTS
WEDNESDAY	PPS	AC LAB / CWS LAB				ENG	M-I	AC
THURSDAY	M-I	ENG	AC	PPS		ELCS LAB		
FRIDAY	ENG	AC	ES	PPS		CWS LAB/ AC LAB		
SATURDAY	M-I	PPS LAB				M-I	MENTOR	LIBRARY

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Dr G Chinna Rao	Asst.Prof	Mathamatics – I	BS&H
2	Dr E.Ranjit Kumar	Assoc. Prof	English	BS&H
3	Dr. K Sandhya Rani	Assoc. Prof	Applied Chemistry	BS&H
4	Mrs Sangitha Misra	Asst.Prof	Programming For Problem Solving Using C	CSE
5	Mrs. P. Mounika	Asst.Prof	Computer Eng Workshop	CSE
6	Dr. K Sandhya Rani	Assoc.Prof	Applied Chemistry Lab	BS&H
7	Dr E.Ranjit Kumar	Assoc. Prof	English Communication Skills Lab	BS&H
8	Mrs Sangitha Misra	Asst.Prof	Programming For Problem Solving Using C Lab	CSE
9	Mrs G Sunitha Rani	Asst.Prof	Environment Science	BS&H


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DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

CLASS TIME TABLE AY -2021-2022


CLASS:I BTECH ISEM

BRANCH: ECE-A

DAY	9:50 – 10:40	10:40- 11:30	11:30- 12:20	12:20- 1:10	1.10-1.50	1:50-2:40	2.40-3.30	3.30-4.20
MONDAY	AC	PPS	M-I	ENG	LUNCH BREAK	ED LAB		
TUESDAY	AC	M-I	PPS	PPS		ELCS LAB/ AC LAB		
WEDNESDAY	AC	AC	M-I	ENG		PPS LAB		
THURSDAY	ENG	PPS	PPS	LIBRARY		M-I	M-I	SPORTS
FRIDAY	ENG	AC LAB / ELCS LAB				M-I	AC	ENG
SATURDAY	M-I	ED LAB				MENTOR	PPS	AC

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Mr G.Chinnayya	Asst.Prof	Mathamatics – I	BS&H
2	Mrs. D Sravya Sree	Asst.Prof	English	BS&H
3	Ms.T Satya Supriya	Asst.Prof	Applied Chemistry	BS&H
4	Mr A Vasudeva Rao	Asst.Prof	Programming For Problem Solving Using C	CSE
5	Mr. G Ramu	Asst.Prof	Eng. Drawing	MECH
6	Ms.T Satya Supriya	Asst.Prof	Applied Chemistry Lab	BS&H
7	Mrs. D Sravya Sree	Asst.Prof	English Communication Skills Lab	BS&H
8	Mr A Vasudeva Rao	Asst.Prof	Programming For Problem Solving Using C Lab	CSE


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CLASS TIME TABLE AY -2021-2022

CLASS:I BTECH ISEM

BRANCH: ECE-B

DAY	9:50 – 10:40	10:40- 11:30	11:30- 12:20	12:20- 1:10	1.10-1.50	1:50- 2:40	2.40-3.30	3.30-4.20
MONDAY	PPS	ED LAB			LUNCH BREAK	M-I	AC	ENG
TUESDAY	PPS	AC LAB / ELCS LAB				M-I	M-I	SPORTS
WEDNESDAY	M-I	M-I	LIBRARY	AC		ED LAB		
THURSDAY	AC	PPS LAB				M-I	AC	ENG
FRIDAY	AC	ENG	MENTOR	PPS		AC	PPS	ENG
SATURDAY	PPS	ELCS LAB/ AC LAB				M-I	PPS	ENG

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Mrs M.Indira	Asst.Prof	Mathamatics – I	BS&H
2	Mrs. N.Santoshi	Asst.Prof	English	BS&H
3	Ms. T Satya Supriya	Asst.Prof	Applied Chemistry	BS&H
4	Mrs G Kanakamaha Laxmi	Asst.Prof	Programming For Problem Solving Using C	CSE
5	Mr. G Ramu	Asst.Prof	Eng. Drawing	MECH
6	Mr B.Praveen Kumar	Asst.Prof	Applied Chemistry Lab	BS&H
7	Mrs. N.Santoshi	Asst.Prof	English Communication Skills Lab	BS&H
8	Mrs G Kanakamaha I axmi	Asst.Prof	Programming For Problem Solving Using C Lab	CSE


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CLASS TIME TABLE AY -2021-2022

CLASS:I BTECH ISEM

BRANCH: EEE

DAY	9:50 – 10:40	10:40- 11:30	11:30- 12:20	12:20- 1:10	1.10-1.50	1:50-2:40	2.40-3.30	3.30-4.20
MONDAY	M-I	ELCS LAB/ EWS LAB			LUNCH BREAK	M-I	PPS	ENG
TUESDAY	ENG	PPS LAB				M-II	SPORTS	
WEDNESDAY	M-II	ED LAB				LIBRARY	PPS	M-I
THURSDAY	M-II	MENTOR	M-I			PPS	PPS	ENG
FRIDAY	M-I	ELCS LAB / EWS LAB				ED LAB		
SATURDAY	M-II	M-II	ENG	PPS		PPS	ENG	M-I

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Dr R Hema Latha	Asst.Prof	English	BS&H
2	Mr G Chinnayya	Asst.Prof	Mathamatics – I	BS&H
3	Mr A .Seshu	Asst.Prof	Mathamatics – II	BS&H
4	Mr. A Vasu Devarao	Asst.Prof	Programming For Problem Solving Using C	CSE
5	Mr. Mohan Pradeep	Asst.Prof	Eng. Drawing	MECH
6	Dr R Hema Latha	Asst.Prof	English Communication Skills Lab	BS&H
7	Mr. A Vasu Devarao	Asst.Prof	Programming For Problem Solving Using C Lab	CSE


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CLASS TIME TABLE AY -2021-2022

CLASS:I BTECH ISEM

BRANCH: MECH

DAY	9:50 – 10:40	10:40- 11:30	11:30- 12:20	12:20- 1:10	1.10-1.50	1:50- 2:40	2.40-3.30	3.30-4.20
MONDAY	M-I	PPS	EP	ENG	LUNCH BREAK	PPS LAB		
TUESDAY	PPS	ENG	EP	M-I		ED		
WEDNESDAY	EP	EP LAB / ELCS LAB				M-I	ES	ENG
THURSDAY	EP	ED				PPS	M-I	LIB
FRIDAY	EP	M-I	ENG	MENTOR		PPS	PPS	SPORTS
SATURDAY	M-I	EP	PPS	ES		EP LAB / ELCS LAB		

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Mrs. A. Pragna	Asst.Prof	Mathamatics – I	BS&H
2	Mrs. N. Santhoshi	Asst.Prof	English	BS&H
3	Mr. B. Gangadhar	Asst.Prof	Engineering Physics	BS&H
4	Mrs. V. Sarada	Asst.Prof	Programming For Problem Solving Using C	CSE
5	Mr. Mohan Pradeep	Asst.Prof	Eng. Drawing	MECH
6	Mr. B. Gangadhar	Asst.Prof	Engineering Physics Lab	BS&H
7	Mrs. N. Santhoshi	Asst.Prof	English Communication Skills Lab	BS&H
8	Mrs. V. Sarada	Asst.Prof	Programming For Problem Solving Using C Lab	CSE
9	Mr B Praveen Kumar	Asst.Prof	Environment Science	BS&H


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CLASS TIME TABLE AY -2021-2022

CLASS:I BTECH IISEM

BRANCH: CSE-A

DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MONDAY	PP	AC LAB/CRT			L	DS	M-II	ES
TUESDAY	AC	CO	DS	PP	U	DS LAB		
WEDNESDAY	AC	M-II	DS	LIB	N	CO		AC
THURSDAY	AC	DS	PP	M-II	C	DS	M-II	CO
FRIDAY	PP		DS	ES	H	AC LAB/CRT		
SATURDAY	M-II	PP LAB				CO	M-II	SPORTS

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Mrs. M. Indira	Assoc. Prof	Mathamatics – II	BS&H
2	Dr.K.Sandhya Rani	Assoc. Prof	Applied Chemistry	BS&H
3	Dr.A.Chandra Sekhar	Professor	Data Structure Through C	CSE
4	Mr.S.Kesava Rao	Asst. Prof	Python Programming	CSE
5	Mrs.CH.Meena Madhuri	Asst. Prof	C-Organization	ECE
6	Dr.K.Sandhya Rani/ Mrs.T Satya supriya	Assoc. Prof	Applied Chemistry Lab	BS&H
7	Dr.A.Chandra Sekhar	Professor	Data Structurethrough C Lab	CSE
8	Mr.S.Kesava Rao	Asst. Prof	Python Programming Lab	CSE
9	Dr R Swarupa Rani	Assoc. Prof	CRT	BS&H
10	Mrs. G Sunitha Rani	Asst. Prof	Environment Science	BS&H

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CLASS:I BTECH IISEM

BRANCH: CSE-B

DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MONDAY	CO		M-II	DS	L	AC	AC	SPORTS
TUESDAY	M-II	M-II	ES	LIB	U	PP	DS	
WEDNESDAY	PP	AC LAB/CRT			N	DS LAB		
THURSDAY	M-II		DS	AC	C	CO	PP	ES
FRIDAY	PP	AC LAB/CRT			H	DS	CO	M-II
SATURDAY	DS	AC	CO	PP		PP LAB		

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Dr.G.Chinna Rao	Asst.Professor	Mathamatics – II	BS&H
2	Mrs.T.Satya Supriya	Asst.Professor	Applied Chemistry	BS&H
3	Mrs.SangithaMishra	Asst.Professor	Data Structure Through C	CSE
4	Mr.Dinesh Chandra	Asst.Professor	Python Programming	CSE
5	Mr.M.Vinay Kumar	Asst.Professor	C-Organization	ECE
6	Mrs.T.Satya Supriya	Asst.Professor	Applied Chemistry Lab	BS&H
7	Mrs.Sangitha Mishra	Asst.Professor	Data Structurethrough C Lab	CSE
8	Mr.Dinesh Chandra	Asst.Professor	Python Programming Lab	CSE
9	Mrs. N.Santhosi	Asst.Professor	CRT	BS&H
10.	Mrs. G Sunitha Rani	Asst.Professor	Environment Science	BS&H


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DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

CLASS TIME TABLE AY -2021-2022

CLASS:I BTECH IISEM

BRANCH: CSE-C

DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MONDAY	CO	PP	DS	AC	L	DS LAB		
TUESDAY	CO	PP LAB			U	M-II	ES	SPORTS
WEDNESDAY	M-II	AC	CO	PP	N	AC LAB/CRT		
THURSDAY	DS	AC LAB/CRT			C	PP	CO	DS
FRIDAY	AC	M-II	PP	M-II	H	ES	DS	LIB
SATURDAY	PP	AC	M-II	DS		M-II	CO	DS

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Mr G Chinnayya	Asst.Professor	Mathamatics – II	BS&H
2	Mr B Praveen Kumar	Asst.Professor	Applied Chemistry	BS&H
3	Mr.Surendra Kumar Choudary	Asst.Professor	Data Structure Through C	CSE
4	Mrs.Ch.Sravanthi	Asst.Professor	Python Programming	CSE
5	Mr.P. Santhosh Kumar	Asst.Professor	C-Organization	ECE
6	Mrs.T.Satya Supriya	Asst.Professor	Applied Chemistry Lab	BS&H
7	Mr.Surendra Kumar Choudary	Asst.Professor	Data Structurethrough C Lab	CSE
8	Mrs.Ch.Sravanthi	Asst.Professor	Python Programming Lab	CSE
9	Mrs. D. Sravya sree	Asst.Professor	CRT	BS&H
10	Mr B.Praveen Kumar	Asst.Professor	Environment Science	BS&H

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CLASS TIME TABLE AY -2021-2022

CLASS:I BTECH IISEM

BRANCH: ECE-A

DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MONDAY	M-II	AP/EWS LAB			L	BEE	OOPS	ES
TUESDAY	OOPS	NA	M-II	AP	U	BEE LAB		
WEDNESDAY	OOPS		NA	BEE	N	M II	AP	SPORTS
THURSDAY	NA	AP	CRT		C	M-II	OOPS	ES
FRIDAY	BEE	NA	M-II	AP	H	LIB	BEE	OOPS
SATURDAY	NA	AP	M-II	BEE		AP/EWS LAB		

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Mr.G.Chinna Rao	Asst.Professor	Mathamatics – II	BS&H
2	Mr.JRG Patnaik	Asst.Professor	Applied Physics	BS&H
3	Mrs.S. Jhansi Rani	Asst.Professor	Network Analysis	EEE
4	Mr.M.Venkatesh	Asst.Professor	Basic Electrical Engineering	EEE
5	Mrs. K. Hymavathi	Asst.Professor	Object Oriented Programming Through Java	CSE
6	Mr.M.Venkatesh	Asst.Professor	Basic Electrical Engineering Lab	EEE
7	Mr.B.Madhusudhan Rao	Asst.Professor	Electronic Workshop Lab	EEE
8	Mr.JRG Patnaik	Asst.Professor	Applied Physics Lab	BS&H
9	Dr.Swarupa Rani	Asst.Professor	CRT	BS&H
10	Mrs. G. Sunitha rani	Asst.Professor	Environment Studies	BS&H


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DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

CLASS TIME TABLE AY -2021-2022

CLASS:I BTECH IISEM

BRANCH: ECE-B

DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MONDAY	NA	BEE	M-II	AP	L	AP/EWS LAB		
TUESDAY	NA	AP	BEE	OOPS	U	M-II	ES	OOPS
WEDNESDAY	BEE	CRT		AP	N	OOPS	M-II	SPORTS
THURSDAY	AP/EWS LAB			NA	C	OOPS	BEE	AP
FRIDAY	AP	NA	M-II		H	BEE LAB		
SATURDAY	NA	BEE	M-II	LIB		OOPS		ES

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Mrs.A.Pragna	Asst.Professor	Mathamatics – II	BS&H
2	Mr. K.Dhanunjaya	Asst.Professor	Applied Physics	BS&H
3	Mr.B.Ganesh Kumar	Asst.Professor	Network Analysis	EEE
4	Mr.V.Sarath Kumar	Asst.Professor	Basic Electrical Engineering	EEE
5	Mr.G.Trinadha Rao	Asst.Professor	Object Oriented Programming Through Java	CSE
6	Mr.V.Sarath Kumar	Asst.Professor	Basic Electrical Engineering Lab	EEE
7	Mrs.U.Venkata Lakshmi	Asst.Professor	Electronic Workshop Lab	EEE
8	Mr. K.Dhanunjaya	Asst.Professor	Applied Physics Lab	BS&H
9	Dr R Hema Latha	Asst.Professor	CRT	BS&H
10	Mrs. T Satya Supriya	Asst.Professor	Environment Studies	BS&H

BS&H HOD

HOD - BS&H

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

COURSE STRUCTURE AND SYLLABUS

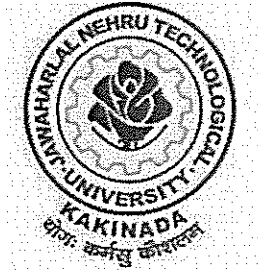
For UG – R20

B. Tech - COMPUTER SCIENCE AND ENGINEERING with Specialization

Common to

- (i) CSE (ARTIFICIAL INTELLIGENCE and MACHINE LEARNING)-Branch Code:42**
- (ii) ARTIFICIAL INTELLIGENCE and MACHINE LEARNING - Branch Code: 61**

(Applicable for batches admitted from 2020-2021)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA - 533 003, Andhra Pradesh, India



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KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

COURSE STRUCTURE

I Year – I SEMESTER						
S. No	Course Code	Courses	L	T	P	Credits
1	HS1101	Communicative English	3	0	0	3
2	BS1101	Mathematics – I	3	0	0	3
3	BS1102	Applied Chemistry	3	0	0	3
4	ES1101	Programming for Problem Solving using C	3	0	0	3
5	ES1102	Computer Engineering Workshop	1	0	4	3
6	HS1102	English Communication Skills Laboratory	0	0	3	1.5
7	BS1103	Applied Chemistry Lab	0	0	3	1.5
8	ES1103	Programming for Problem Solving using C Lab	0	0	3	1.5
9	MC1101	Environmental Science*	2	0	0	0
Total Credits			19.5			

I Year – II SEMESTER						
S. No	Course Code	Courses	L	T	P	Credits
1	BS1201	Mathematics – II	3	0	0	3
2	BS1202	Applied Physics	3	0	0	3
3	ES1201	Digital Logic Design	3	0	0	3
4	ES1202	Python Programming	3	0	0	3
5	CS1201	Data Structures	3	0	0	3
6	BS1203	Applied Physics Lab	0	0	3	1.5
7	ES1203	Python Programming Lab	0	0	3	1.5
8	CS1202	Data Structures Lab	0	0	3	1.5
9	MC1201	Constitution of India *	2	0	0	0
Total Credits			19.5			

*Internal Evaluation



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DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

I Year - I Semester	L	T	P	C
	2	0	0	0
ENVIRONMENTAL SCIENCE (MC1101)				

Course Objectives:

The objectives of the course are to impart:

- Overall understanding of the natural resources.
- Basic understanding of the ecosystem and its diversity.
- Acquaintance on various environmental challenges induced due to unplanned anthropogenic activities.
- An understanding of the environmental impact of developmental activities.
- Awareness on the social issues, environmental legislation and global treaties.

UNIT I

Multidisciplinary nature of Environmental Studies: Definition, Scope and Importance – Sustainability: Stockholm and Rio Summit–Global Environmental Challenges: Global warming and climate change, acid rains, ozone layer depletion, population growth and explosion, effects. Role of information technology in environment and human health.

Ecosystems: Concept of an ecosystem. - Structure and function of an ecosystem; Producers, consumers and decomposers. - Energy flow in the ecosystem - Ecological succession. - Food chains, food webs and ecological pyramids; Introduction, types, characteristic features, structure and function of Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems.

UNIT II

Natural Resources: Natural resources and associated problems.

Forest resources: Use and over – exploitation, deforestation – Timber extraction – Mining, dams and other effects on forest and tribal people.

Water resources: Use and over utilization of surface and ground water – Floods, drought, conflicts over water, dams – benefits and problems.

Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources.

Food resources: World food problems, changes caused by non-agriculture activities-effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity.

Energy resources: Growing energy needs, renewable and non-renewable energy sources use of alternate energy sources.

Land resources: Land as a resource, land degradation, Wasteland reclamation, man induced landslides, soil erosion and desertification; Role of an individual in conservation of natural resources; Equitable use of resources for sustainable lifestyles.

UNIT III

Biodiversity and its conservation: Definition: genetic, species and ecosystem diversity-classification - Value of biodiversity: consumptive use, productive use, social-Biodiversity at national and local levels. India as a mega-diversity nation - Hot-spots of biodiversity - Threats to biodiversity: habitat loss, man-wildlife conflicts. - Endangered and endemic species of India – Conservation of biodiversity: conservation of biodiversity.



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DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

UNIT IV

Environmental Pollution: Definition, Cause, effects and control measures of Air pollution, Water pollution, Soil pollution, Noise pollution, Nuclear hazards. Role of an individual in prevention of pollution. - Pollution case studies, Sustainable Life Studies. Impact of Fire Crackers on Men and his well being.

Solid Waste Management: Sources, Classification, effects and control measures of urban and industrial solid wastes. Consumerism and waste products, Biomedical, Hazardous and e – waste management.

UNIT V

Social Issues and the Environment: Urban problems related to energy -Water conservation, rain water harvesting-Resettlement and rehabilitation of people; its problems and concerns. Environmental ethics: Issues and possible solutions. Environmental 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. -Public awareness.

Environmental Management: Impact Assessment and its significance various stages of EIA, preparation of EMP and EIS, Environmental audit. Ecotourism, Green Campus – Green business and Green politics.

The student should Visit an Industry / Ecosystem and submit a report individually on any issues related to Environmental Studies course and make a power point presentation.

Text Books:

- 1) Environmental Studies, K. V. S. G. Murali Krishna, VGS Publishers, Vijayawada
- 2) Environmental Studies, R. Rajagopalan, 2nd Edition, 2011, Oxford University Press.
- 3) Environmental Studies, P. N. Palanisamy, P. Manikandan, A. Geetha, and K. Manjula Rani; Pearson Education, Chennai

Reference Books:

- 1) Text Book of Environmental Studies, Deeshita Dave & P. UdayaBhaskar, Cengage Learning.
- 2) A Textbook of Environmental Studies, ShaashiChawla, TMH, New Delhi
- 3) Environmental Studies, Benny Joseph, Tata McGraw Hill Co, New Delhi
- 4) Perspectives in Environment Studies, AnubhaKaushik, C P Kaushik, New Age International Publishers, 2014



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DEPARTMENT OF BASIC SCIENCE & HUMANATIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	ENVIRONMENT SCIENCE	I-I Sem CSE-AI &ML	Mrs G Suneetha Rani Assistant Professor	62	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Multidisciplinary nature of Environmental Studies		
Week 1	L1	Multidisciplinary Nature of ES	Chalk / LCD	23-11-21
	L2	Stockholm Conference & Rio Summit	Chalk / LCD	27-11-21
Week 2	L3	Role of IT in Environment & Health	Chalk / LCD	30-11-21
	L4	Structure & Function of Ecosystem	Chalk / LCD	4-12-21
Week 3	L5	Characteristic Features of Forest & Grass Land Ecosystem	Chalk / LCD	7-12-21
	L6	Desert & Aquatic Ecosystem	Chalk / LCD	11-12-21
UNIT II		Natural Resources: Natural resources and associated problems.		
Week 4	L7	Natural Resources- Forest Resources	Chalk / LCD	14-12-21
	L8	Water Resources & Conflicts over Water	Chalk / LCD	18-12-21
Week 5	L9	Mineral Resources –Use and exploitation	Chalk / LCD	21-12-21
	L10	Food Resources –World Food Problems, Effects of Modern Agriculture.	Chalk / LCD	28-12-21
Week 6	L11	Energy Resources-Renewable & Non Renewable Energy Resources	Chalk / LCD	4-1-22
	L12	Land Resources- Land Slides, Soil Erosion, Waste Land reclamation.	Chalk / LCD	8-1-22
UNIT III		Biodiversity and its conservation		
Week 7	L13	Biodiversity- Values of Biodiversity	Chalk / LCD	11-1-22
	L14	India as a Mega Diversity Nation	Chalk / LCD	25-1-22
Week 8	L15	Threats to Biodiversity	Chalk / LCD	29-1-22
	L16	Man Wild Life Conflicts	Chalk / LCD	1-2-22
Week 9	L17	Endangered & Endemic Species of India	Chalk / LCD	5-2-22
	L18	Conservation of Biodiversity	Chalk / LCD	8-2-22
UNIT IV		Environmental Pollution		
Week 10	L19	Environmental Pollution –Air Pollution	Chalk / LCD	12-2-22
	L20	Causes, Effects, Control Measures of Water Pollution	Chalk / LCD	15-2-22
Week	L21	Causes, Effects, Control Measures of Soil Pollution	Chalk / LCD	19-2-22



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11	UNIT V	Social Issues and the Environment		
	L22	Urban problems related to energy	Chalk / LCD	22-2-22
Week	L23	Resettlement & Rehabilitation of people	Chalk / LCD	26-2-22
12	L24	Environmental Ethics	Chalk / LCD	2-3-22
Week	L25	Environmental Protection Act & Air Act	Chalk / LCD	7-3-22
13	L26	Environmental Impact Assessment	Chalk / LCD	11-3-22

Signature of the Faculty:

Signature of the HoD:

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Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	ENVIRONMENT SCIENCE	I-I Sem CSD	Mrs G Suneetha Rani	59	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Multidisciplinary nature of Environmental Studies		
Week 1	L1	Multidisciplinary Nature of ES	Chalk / LCD	23-11-21
	L2	Stockholm Conference & Rio Summit	Chalk / LCD	26-11-21
Week 2	L3	Role of IT in Environment & Health	Chalk / LCD	30-11-21
	L4	Structure & Function of Ecosystem	Chalk / LCD	3-12-21
Week 3	L5	Characteristic Features of Forest & Grass Land Ecosystem	Chalk / LCD	7-12-21
	L6	Desert & Aquatic Ecosystem	Chalk / LCD	10-12-21
UNIT II		Natural Resources: Natural resources and associated problems.		
Week 4	L7	Natural Resources- Forest Resources	Chalk / LCD	14-12-21
	L8	Water Resources & Conflicts over Water	Chalk / LCD	17-12-21
Week 5	L9	Mineral Resources –Use and exploitation	Chalk / LCD	21-12-21
	L10	Food Resources –World Food Problems, Effects of Modern Agriculture.	Chalk / LCD	24-12-21
Week 6	L11	Energy Resources-Renewable & Non Renewable Energy Resources	Chalk / LCD	28-12-21
	L12	Land Resources- Land Slides, Soil Erosion, Waste Land reclamation.	Chalk / LCD	31-12-21
UNIT III		Biodiversity and its conservation		
Week 7	L13	Biodiversity- Values of Biodiversity	Chalk / LCD	4-1-22
	L14	India as a Mega Diversity Nation	Chalk / LCD	7-1-22
Week 8	L15	Threats to Biodiversity	Chalk / LCD	11-1-22
	L16	Man Wild Life Conflicts	Chalk / LCD	25-1-22
Week 9	L17	Endangered & Endemic Species of India	Chalk / LCD	28-1-22
	L18	Conservation of Biodiversity	Chalk / LCD	1-2-22
UNIT IV		Environmental Pollution		
Week 10	L19	Environmental Pollution –Air Pollution	Chalk / LCD	8-2-22
	L20	Causes, Effects, Control Measures of Water Pollution	Chalk / LCD	11-2-22
Week 11	L21	Causes, Effects, Control Measures of Soil Pollution	Chalk / LCD	15-2-22



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	UNIT V	Social Issues and the Environment		
	L22	Urban problems related to energy	Chalk / LCD	18-2-22
Week 12	L23	Resettlement & Rehabilitation of people	Chalk / LCD	22-2-22
	L24	Environmental Ethics	Chalk / LCD	25-2-22
Week 13	L25	Environmental Protection Act & Air Act	Chalk / LCD	1-3-22
	L26	Environmental Impact Assessment	Chalk / LCD	8-3-22

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					Lectures	Tutorials
MC	ENVIRONMENT SCIENCE	I-I Sem Mech	Mrs G Suneetha Rani	19	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Multidisciplinary nature of Environmental Studies		
Week 1	L1	Multidisciplinary Nature of ES	Chalk / LCD	23-11-21
	L2	Stockholm Conference & Rio Summit	Chalk / LCD	26-11-21
Week 2	L3	Role of IT in Environment & Health	Chalk / LCD	30-11-21
	L4	Structure & Function of Ecosystem	Chalk / LCD	3-12-21
Week 3	L5	Characteristic Features of Forest & Grass Land Ecosystem	Chalk / LCD	7-12-21
	L6	Desert & Aquatic Ecosystem	Chalk / LCD	10-12-21
UNIT II		Natural Resources: Natural resources and associated problems.		
Week 4	L7	Natural Resources- Forest Resources	Chalk / LCD	14-12-21
	L8	Water Resources & Conflicts over Water	Chalk / LCD	17-12-21
Week 5	L9	Mineral Resources –Use and exploitation	Chalk / LCD	21-12-21
	L10	Food Resources –World Food Problems, Effects of Modern Agriculture.	Chalk / LCD	24-12-21
Week 6	L11	Energy Resources-Renewable & Non Renewable Energy Resources	Chalk / LCD	28-12-21
	L12	Land Resources- Land Slides, Soil Erosion, Waste Land reclamation.	Chalk / LCD	31-12-21
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	L14	India as a Mega Diversity Nation	Chalk / LCD	7-1-22
Week 8	L15	Threats to Biodiversity	Chalk / LCD	11-1-22
	L16	Man Wild Life Conflicts	Chalk / LCD	25-1-22
Week 9	L17	Endangered & Endemic Species of India	Chalk / LCD	28-1-22
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Week 10	L19	Environmental Pollution –Air Pollution	Chalk / LCD	8-2-22
	L20	Causes, Effects, Control Measures of Water Pollution	Chalk / LCD	11-2-22
Week 11	L21	Causes, Effects, Control Measures of Soil Pollution	Chalk / LCD	15-2-22
	UNIT V	Social Issues and the Environment		



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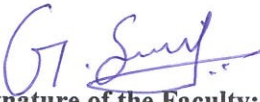
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	L22	Urban problems related to energy	Chalk / LCD	18-2-22
Week 12	L23	Resettlement & Rehabilitation of people	Chalk / LCD	22-2-22
	L24	Environmental Ethics	Chalk / LCD	25-2-22
Week 13	L25	Environmental Protection Act & Air Act	Chalk / LCD	1-3-22
	L26	Environmental Impact Assessment	Chalk / LCD	8-3-22


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Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	ENVIRONMENT SCIENCE	I-II Sem CSE-A	Mrs G Suneetha Rani Asst.Prof.	64	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Multidisciplinary nature of Environmental Studies		
Week 1	L1	Multidisciplinary Nature of ES	Chalk / LCD	11-4-22
	L2	Stockholm Conference & Rio Summit	Chalk / LCD	18-4-22
Week 2	L3	Role of IT in Environment & Health	Chalk / LCD	22-4-22
	L4	Structure & Function of Ecosystem	Chalk / LCD	25-4-22
Week 3	L5	Characteristic Features of Forest & Grass Land Ecosystem	Chalk / LCD	29-4-22
	L6	Desert & Aquatic Ecosystem	Chalk / LCD	2-5-22
UNIT II		Natural Resources: Natural resources and associated problems.		
Week 4	L7	Natural Resources- Forest Resources	Chalk / LCD	9-5-22
	L8	Water Resources & Conflicts over Water	Chalk / LCD	13-5-22
Week 5	L9	Mineral Resources –Use and exploitation	Chalk / LCD	20-5-22
	L10	Food Resources –World Food Problems, Effects of Modern Agriculture.	Chalk / LCD	23-5-22
Week 6	L11	Energy Resources-Renewable & Non Renewable Energy Resources	Chalk / LCD	27-5-22
	L12	Land Resources- Land Slides, Soil Erosion, Waste Land reclamation.	Chalk / LCD	6-6-22
UNIT III		Biodiversity and its conservation		
Week 7	L13	Biodiversity- Values of Biodiversity	Chalk / LCD	10-6-22
	L14	India as a Mega Diversity Nation	Chalk / LCD	13-6-22
Week 8	L15	Threats to Biodiversity	Chalk / LCD	17-6-22
	L16	Man Wild Life Conflicts	Chalk / LCD	20-6-22
Week 9	L17	Endangered & Endemic Species of India	Chalk / LCD	24-6-22
	L18	Conservation of Biodiversity	Chalk / LCD	27-6-22
UNIT IV		Environmental Pollution		
Week 10	L19	Environmental Pollution –Air Pollution	Chalk / LCD	1-7-22
	L20	Causes, Effects, Control Measures of Water Pollution	Chalk / LCD	4-7-22
Week	L21	Causes, Effects, Control Measures of Soil Pollution	Chalk / LCD	8-7-22



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11	UNIT V	Social Issues and the Environment		
	L22	Urban problems related to energy	Chalk / LCD	11-7-22
Week	L23	Resettlement & Rehabilitation of people	Chalk / LCD	15-7-22
12	L24	Environmental Ethics	Chalk / LCD	18-7-22
Week	L25	Environmental Protection Act & Air Act	Chalk / LCD	22-7-22
13	L26	Environmental Impact Assessment	Chalk / LCD	23-7-22

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Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	ENVIRONMENT SCIENCE	I-II Sem CSE-B	Mrs G Suneetha Rani	56	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Multidisciplinary nature of Environmental Studies		
Week 1	L1	Multidisciplinary Nature of ES	Chalk / LCD	12-4-22
	L2	Stockholm Conference & Rio Summit	Chalk / LCD	19-4-22
Week 2	L3	Role of IT in Environment & Health	Chalk / LCD	22-4-22
	L4	Structure & Function of Ecosystem	Chalk / LCD	26-4-22
Week 3	L5	Characteristic Features of Forest & Grass Land Ecosystem	Chalk / LCD	29-4-22
	L6	Desert & Aquatic Ecosystem	Chalk / LCD	3-5-22
UNIT II		Natural Resources: Natural resources and associated problems.		
Week 4	L7	Natural Resources- Forest Resources	Chalk / LCD	10-5-22
	L8	Water Resources & Conflicts over Water	Chalk / LCD	13-5-22
Week 5	L9	Mineral Resources –Use and exploitation	Chalk / LCD	17-5-22
	L10	Food Resources –World Food Problems, Effects of Modern Agriculture.	Chalk / LCD	20-5-22
Week 6	L11	Energy Resources-Renewable & Non Renewable Energy Resources	Chalk / LCD	24-5-22
	L12	Land Resources- Land Slides, Soil Erosion, Waste Land reclamation.	Chalk / LCD	27-5-22
UNIT III		Biodiversity and its conservation		
Week 7	L13	Biodiversity- Values of Biodiversity	Chalk / LCD	7-6-22
	L14	India as a Mega Diversity Nation	Chalk / LCD	10-6-22
Week 8	L15	Threats to Biodiversity	Chalk / LCD	14-6-22
	L16	Man Wild Life Conflicts	Chalk / LCD	17-6-22
Week 9	L17	Endangered & Endemic Species of India	Chalk / LCD	21-6-22
	L18	Conservation of Biodiversity	Chalk / LCD	24-6-22
UNIT IV		Environmental Pollution		
Week 10	L19	Environmental Pollution –Air Pollution	Chalk / LCD	28-6-22
	L20	Causes, Effects, Control Measures of Water Pollution	Chalk / LCD	1-7-22
Week	L21	Causes, Effects, Control Measures of Soil	Chalk / LCD	5-7-22



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11		Pollution		
	UNIT V	Social Issues and the Environment		
	L22	Urban problems related to energy	Chalk / LCD	8-7-22
Week 11	L23	Resettlement & Rehabilitation of people	Chalk / LCD	12-7-22
Week 12	L24	Environmental Ethics	Chalk / LCD	15-7-22
Week 13	L25	Environmental Protection Act & Air Act	Chalk / LCD	19-7-22
	L26	Environmental Impact Assessment	Chalk / LCD	22-7-22

Signature of the Faculty:

Signature of the HoD:

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DEPARTMENT OF BASIC SCIENCE & HUMANATIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	ENVIRONMENT SCIENCE	I-II Sem CSE-C	Mr B Praveen Kumar Assistant Professor	65	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Multidisciplinary nature of Environmental Studies		
Week 1	L1	Multidisciplinary Nature of ES	Chalk / LCD	12-4-22
	L2	Stockholm Conference & Rio Summit	Chalk / LCD	19-4-22
Week 2	L3	Role of IT in Environment & Health	Chalk / LCD	22-4-22
	L4	Structure & Function of Ecosystem	Chalk / LCD	26-4-22
Week 3	L5	Characteristic Features of Forest & Grass Land Ecosystem	Chalk / LCD	29-4-22
	L6	Desert & Aquatic Ecosystem	Chalk / LCD	3-5-22
UNIT II		Natural Resources: Natural resources and associated problems.		
Week 4	L7	Natural Resources- Forest Resources	Chalk / LCD	10-5-22
	L8	Water Resources & Conflicts over Water	Chalk / LCD	13-5-22
Week 5	L9	Mineral Resources –Use and exploitation	Chalk / LCD	17-5-22
	L10	Food Resources –World Food Problems, Effects of Modern Agriculture.	Chalk / LCD	20-5-22
Week 6	L11	Energy Resources-Renewable & Non Renewable Energy Resources	Chalk / LCD	24-5-22
	L12	Land Resources- Land Slides, Soil Erosion, Waste Land reclamation.	Chalk / LCD	27-5-22
UNIT III		Biodiversity and its conservation		
Week 7	L13	Biodiversity- Values of Biodiversity	Chalk / LCD	7-6-22
	L14	India as a Mega Diversity Nation	Chalk / LCD	10-6-22
Week 8	L15	Threats to Biodiversity	Chalk / LCD	14-6-22
	L16	Man Wild Life Conflicts	Chalk / LCD	17-6-22
Week 9	L17	Endangered & Endemic Species of India	Chalk / LCD	21-6-22
	L18	Conservation of Biodiversity	Chalk / LCD	24-6-22
UNIT IV		Environmental Pollution		
Week 10	L19	Environmental Pollution –Air Pollution	Chalk / LCD	28-6-22
	L20	Causes, Effects, Control Measures of Water Pollution	Chalk / LCD	1-7-22



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Week 11	L21	Causes, Effects, Control Measures of Soil Pollution	Chalk / LCD	5-7-22
	UNIT V	Social Issues and the Environment		
	L22	Urban problems related to energy	Chalk / LCD	8-7-22
Week 12	L23	Resettlement & Rehabilitation of people	Chalk / LCD	12-7-22
	L24	Environmental Ethics	Chalk / LCD	15-7-22
Week 13	L25	Environmental Protection Act & Air Act	Chalk / LCD	19-7-22
	L26	Environmental Impact Assessment	Chalk / LCD	22-7-22


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Signature of the HoD:

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DEPARTMENT OF BASIC SCIENCE & HUMANATIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	ENVIRONMENT SCIENCE	I-II Sem ECE-A	Mrs G Suneetha Rani	49	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Multidisciplinary nature of Environmental Studies		
Week 1	L1	Multidisciplinary Nature of ES	Chalk / LCD	11-4-22
	L2	Stockholm Conference & Rio Summit	Chalk / LCD	18-4-22
Week 2	L3	Role of IT in Environment & Health	Chalk / LCD	21-4-22
	L4	Structure & Function of Ecosystem	Chalk / LCD	25-4-22
Week 3	L5	Characteristic Features of Forest & Grass Land Ecosystem	Chalk / LCD	28-4-22
	L6	Desert & Aquatic Ecosystem	Chalk / LCD	2-5-22
UNIT II		Natural Resources: Natural resources and associated problems.		
Week 4	L7	Natural Resources- Forest Resources	Chalk / LCD	5-5-22
	L8	Water Resources & Conflicts over Water	Chalk / LCD	9-5-22
Week 5	L9	Mineral Resources –Use and exploitation	Chalk / LCD	12-5-22
	L10	Food Resources –World Food Problems, Effects of Modern Agriculture.	Chalk / LCD	19-5-22
Week 6	L11	Energy Resources-Renewable & Non Renewable Energy Resources	Chalk / LCD	23-5-22
	L12	Land Resources- Land Slides, Soil Erosion, Waste Land reclamation.	Chalk / LCD	26-5-22
UNIT III		Biodiversity and its conservation		
Week 7	L13	Biodiversity- Values of Biodiversity	Chalk / LCD	6-6-22
	L14	India as a Mega Diversity Nation	Chalk / LCD	9-6-22
Week 8	L15	Threats to Biodiversity	Chalk / LCD	13-6-22
	L16	Man Wild Life Conflicts	Chalk / LCD	16-6-22
Week 9	L17	Endangered & Endemic Species of India	Chalk / LCD	20-6-22
	L18	Conservation of Biodiversity	Chalk / LCD	23-6-22
UNIT IV		Environmental Pollution		
Week 10	L19	Environmental Pollution –Air Pollution	Chalk / LCD	27-6-22
	L20	Causes, Effects, Control Measures of Water Pollution	Chalk / LCD	30-6-22
Week	L21	Causes, Effects, Control Measures of Soil	Chalk / LCD	1-7-22



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11		Pollution		
	UNIT V	Social Issues and the Environment		
	L22	Urban problems related to energy	Chalk / LCD	4-7-22
Week	L23	Resettlement & Rehabilitation of people	Chalk / LCD	7-7-22
12	L24	Environmental Ethics	Chalk / LCD	11-7-22
Week	L25	Environmental Protection Act & Air Act	Chalk / LCD	14-7-22
13	L26	Environmental Impact Assessment	Chalk / LCD	18-7-22

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COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC1101	ENVIRONMENT SCIENCE	I-II Sem ECE-B	Mrs T Satya Supriya Assistant Professor	56	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Multidisciplinary nature of Environmental Studies		
Week 1	L1	Multidisciplinary Nature of ES	Chalk / LCD	11-4-22
	L2	Stockholm Conference & Rio Summit	Chalk / LCD	18-4-22
Week 2	L3	Role of IT in Environment & Health	Chalk / LCD	21-4-22
	L4	Structure & Function of Ecosystem	Chalk / LCD	25-4-22
Week 3	L5	Characteristic Features of Forest & Grass Land Ecosystem	Chalk / LCD	28-4-22
	L6	Desert & Aquatic Ecosystem	Chalk / LCD	2-5-22
UNIT II		Natural Resources: Natural resources and associated problems.		
Week 4	L7	Natural Resources- Forest Resources	Chalk / LCD	5-5-22
	L8	Water Resources & Conflicts over Water	Chalk / LCD	9-5-22
Week 5	L9	Mineral Resources –Use and exploitation	Chalk / LCD	12-5-22
	L10	Food Resources –World Food Problems, Effects of Modern Agriculture.	Chalk / LCD	19-5-22
Week 6	L11	Energy Resources-Renewable & Non Renewable Energy Resources	Chalk / LCD	23-5-22
	L12	Land Resources- Land Slides, Soil Erosion, Waste Land reclamation.	Chalk / LCD	26-5-22
UNIT III		Biodiversity and its conservation		
Week 7	L13	Biodiversity- Values of Biodiversity	Chalk / LCD	6-6-22
	L14	India as a Mega Diversity Nation	Chalk / LCD	9-6-22
Week 8	L15	Threats to Biodiversity	Chalk / LCD	13-6-22
	L16	Man Wild Life Conflicts	Chalk / LCD	16-6-22
Week 9	L17	Endangered & Endemic Species of India	Chalk / LCD	20-6-22
	L18	Conservation of Biodiversity	Chalk / LCD	23-6-22
UNIT IV		Environmental Pollution		
Week 10	L19	Environmental Pollution –Air Pollution	Chalk / LCD	27-6-22
	L20	Causes, Effects, Control Measures of Water Pollution	Chalk / LCD	30-6-22



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Week 11	L21	Causes, Effects, Control Measures of Soil Pollution	Chalk / LCD	1-7-22
	UNIT V	Social Issues and the Environment		
	L22	Urban problems related to energy	Chalk / LCD	5-7-22
Week 12	L23	Resettlement & Rehabilitation of people	Chalk / LCD	7-7-22
	L24	Environmental Ethics	Chalk / LCD	12-7-22
Week 13	L25	Environmental Protection Act & Air Act	Chalk / LCD	14-7-22
	L26	Environmental Impact Assessment	Chalk / LCD	23-7-22

T. Sathya Srinivasan

Signature of the Faculty:

G. Srinivasan

Signature of the HoD:

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DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

CLASS TIME TABLE AY -2021-2022

CLASS:I BTECH IISEM

BRANCH: CSM

DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MONDAY	DS	AP	DLD	CI	L	PP LAB		
TUESDAY	DS	M-II	DS	PP	U	M-II	M-II	DLD
WEDNESDAY	DLD		PP	DS	N	AP LAB/CRT		
THURSDAY	PP	M-II		AP	C	LIB	AP	SPORTS
FRIDAY	AP LAB/CRT			PP	H	DLD	PP	CI
SATURDAY	M-II	DS	DS	AP		DS LAB		

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Mrs.M.Indira	Assoc.Professor	Mathematics-II	BS&H
2	Mr.Dharma Raju	Asst.Professor	Python Programming	CSE
3	Mr K Dhanujaya	Asst.Professor	Applied Physics	BS&H
4	Mr.H.Devaraj	Asst.Professor	Data Structure Through C	CSE
5	Mr.V.Suresh	Asst.Professor	Digital Logic Design	ECE
6	Mr K Dhanujaya	Asst.Professor	Applied Physics Lab	BS&H
7	Mr.Dharma Raju	Asst.Professor	Python Programming Lab	CSE
8	Mr.H.Devaraj	Asst.Professor	Data Structure Through C Lab	CSE
9	Mrs. R. Hema latha	Asst.Professor	CRT	BS&H
10	Mrs. D Sravya Sree	Asst.Professor	Constitution of india	BS&H


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DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

CLASS TIME TABLE AY -2021-2022

CLASS:I BTECH IISEM

BRANCH: CSD

DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MONDAY	DS	PP LAB			L	AP	DLD	CI
TUESDAY	PP	DLD		DS	U	AP LAB/CRT		
WEDNESDAY	DS	DS	AP	M-II	N	PP	M-II	SPORTS
THURSDAY	AP	M-II	M-II	DS	C	DS LAB		
FRIDAY	DLD	AP	PP	LIB	H	DLD	AP	M-II
SATURDAY	PP	AP LAB/CRT				DS	M-II	CI

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Mr.A Seshu	Asst.Professor	Mathamatics – II	BS&H
2	Mr.A.Vasudeva Rao	Asst.Professor	Python Programming	CSE
3	Dr.R.Swapna	Asst.Professor	Applied Physics	BS&H
4	Mrs.N.Sakitha Sri	Asst.Professor	Data Structure Through C	CSE
5	Mrs.B.Sunitha	Asst.Professor	Digital Logic Design	ECE
6	Dr.R.Swapna	Asst.Professor	Applied Physics Lab	BS&H
7	Mr.A.Vasudeva Rao	Asst.Professor	Python Programming Lab	CSE
8	Mrs.M.Sakitha Sri	Asst.Professor	Data Structure Through C Lab	CSE
9	Mrs.R.Swarupa Rani	Asst.Professor	CRT	BS&H
10	Mrs N Santoshi	Asst.Professor	Constitution of india	BS&H


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DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

CLASS TIME TABLE AY -2021-2022

CLASS:I BTECH IISEM

BRANCH: EEE

DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MONDAY	M-III	BC&ME	DS	AP	L	CI		ECA-I
TUESDAY	AP LAB			DS	U	BC&ME	ECA-I	M-III
WEDNESDAY	DS	AP		M-III	N	ECA-I	BC&ME	SPORTS
THURSDAY	DS	BC&ME	AP	M-III	C	DS LAB		
FRIDAY	ECA-I	DS	BC&ME	ECA-I	H	M-III	DS	LIB
SATURDAY	M-III	AP	BC&ME	AP		BC&ME LAB		

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Mr.G.Chinnayya	Asst.Professor	Mathamatics – III	BS&H
2	Dr.R.Swapna	Assoc.Professor	Applied Physics	BS&H
3	/Mr.V.Pradeep	Asst.Professor	Basic Civil & Mechanical Engineering	CIVIL & MECH
4	Mr. M.venkatesh	Asst.Professor	Electrical Circuit Analysis - I	EEE
5	Mrs.G.Kanaka Mahalakshmi	Asst.Professor	Data Structure Through C	CSE
6	Dr.R.Swapna	Asst.Professor	Applied Physics Lab	BS&H
7	Mrs.G.Kanaka Mahalakshmi	Asst.Professor	Data Structure Through C Lab	CSE
8	Mr.V.Pradeep	Asst.Professor	Basic Civil & Mechanical Engineering Lab	CIVIL & MECH
9	Mrs.N.Santhoshi	Asst.Professor	Constitution of india	BS&H


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DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

CLASS TIME TABLE AY -2021-2022

CLASS:I BTECH IISEM

BRANCH: MECH

DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MONDAY	M-II	EC	TD	BEEE	L	CI		BEEE
TUESDAY	M-II	EM	TD	EC	U	EC LAB		
WEDNESDAY	M-II	BEEE	EC	TD	N	EC	EM	LIB
THURSDAY	EM	WP LAB			C	M-II		TD
FRIDAY	EC	BEEE	EM		H	BEEE LAB		
SATURDAY	BEEE	M-II	EC	EC		TD	SPORTS	

S.No.	Name Of The Faculty	Designation	Subject Name	Department
1	Mrs.A.Pragna	Asst.Professor	Mathamatics – II	BS&H
2	Dr.K.Sandhya Rani	Assoc.Professor	Engineering Chemistry	BS&H
3	Mrs. T. Mahendra	Asst.Professor	Engineering Mechanics	MECH
4	Mr.V.Sudhakar	Asst.Professor	Basic Electrical & Electronics Engineering	EEE
5	Mr.G.Ramanjaneyulu	Asst.Professor	Thermodynamics	MECH
6	Mr.B. PraveenKumar	Asst.Professor	Engineering Chemistry Lab	BS&H
7	Mr.M.Venkatesh	Asst.Professor	Basic Electrical & Electronics Engineering	EEE
8	Mr.G.Ramu	Asst.Professor	Workshop Practice Lab	MECH
10	Mrs D Sravya Sree	Asst.Professor	Constitution of india	BS&H



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CLASS TIME TABLE AY- 2021-22

CLASS: II BTECH I SEM

CSE A

DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:20	2:20-3:30	3:30-4:20
MON	M-III		C++	LUNCH	OS LAB			LIBRARY
TUE	MFCS	C++	OS		SE	CI	M-III	
WED	OS	SE	MFCS		C++	SKILL ORIENTED COURSE-I		
THU	C++	Tutorial			MFCS	M-III	OS	SE
FRI	C++ LAB				CI	MFCS	OS	M-III
SAT	MFCS	SE	OS		SE LAB			SPORTS

S.NO.	NAME OF THE FACULTY	DESIGNATION	SUBJECT NAME	DEPARTMENT
1	Mrs.M.Indira	Assistant Professor	M-III	BS&H
2	Pathivada Monika	Assistant Professor	C++	CSE
3	V.Sarada	Assistant Professor	OS	CSE
4	Chandanala Roopa Devi	Assistant Professor	MFCS	CSE
5	CH.Sravanthi	Assistant Professor	SE	CSE
6	K.Uma Mahesh	Assistant Professor	CI	MBA
7	Mamidi Jayaram	Assistant Professor	SKILL ORIENTED COURSE-I	CSE


HOD-CSE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CLASS TIME TABLE AY -2021-22

CLASS: II BTECH I SEM

CSE B

DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:20	2:20-3:30	3:30-4:20	
MON	C++ LAB			LUNCH	MFCS	C++	OS	SE	
TUE	OS	M-III	MFCS		C++	OS LAB			
WED	M-III		CI		OS	MFCS	C++	LIBRARY	
THU	MFCS	SE	OS		SE	SE LAB			
FRI	C++		SE		CI	MFCS	M-III	SPORTS	
SAT	SKILL ORIENTED COURSE-I				M-III		Tutorial		

S.NO.	NAME OF THE FACULTY	DESIGNATION	SUBJECT NAME	DEPARTMENT
1	Mr.G. Chinnaya	Assistant Professor	M-III	BS&H
2	Pathivada Monika	Assistant Professor	C++	CSE
3	V.Sarada	Assistant Professor	OS	CSE
4	Chandanala Roopa Devi	Assistant Professor	MFCS	CSE
5	CH.Sravanthi	Assistant Professor	SE	CSE
6	K.Uma Mahesh	Assistant Professor	CI	MBA
8	Dr. A.Balakrishna	Associate Professor	SKILL ORIENTED COURSE-I	CSE


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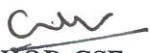
CLASS TIME TABLE AY -2021-22

CLASS: II BTECH I SEM

CSE C

DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:20	2:20-3:30	3:30-4:20
MON	C++	OS	SE	LUNCH	SKILL ORIENTED COURSE-I			SPORTS
TUE	OS LAB				Tutorial		OS	C++
WED	C++ LAB				C++	M-III	CI	SE
THU	OS	MFCS	C++		M-III	SE	MFCS	
FRI	M-III		SE		CI	SE LAB		
SAT	C++	MFCS	OS		SE	M-III		LIBRARY

S.NO.	NAME OF THE FACULTY	DESIGNATION	SUBJECT NAME	DEPARTMENT
1	Dr.G. Chinna Rao	Associate Professor	M-III	BS&H
2	Puli Srilakshmi	Associate Professor	C++	CSE
3	P.Lavanya	Assistant Professor	OS	CSE
4	Karumajji Hymavathi	Assistant Professor	MFCS	CSE
5	Mishra Sangita	Assistant Professor	SE	CSE
6	K.Uma Mahesh	Assistant Professor	CI	MBA
7	B.Madhusudana Rao	Assistant Professor	SKILL ORIENTED COURSE-I	CSE


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CLASS TIME TABLE AY:2021-2022

CLASS:II B.Tech -II SEM

SEC-A

w.e.f: 14-02-2022

Class Incharge:Mrs K.Syamala								
DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MON	ECA	DICD	MOB	LUNCH	LCS	ECA	CRT	AC
TUE	LCS	MOB	AC		DICD	CI	Soft Skills	
WED	I CS	MOB	AC		DICD	ECA/AC Lab		
THU	AC /DICD Lab				AC	ECA	Library	LCS
FRI	DICD	LCS	CRT		AC	ECA	CI	SPORTS
SAT	MOB	LCS	AC		ECA	DICD/ECA Lab		

S.NO.	NAME OF THE FACULTY	DESIGNATION	SUBJECT/LAB	DEPARTMENT
1	Mrs U.Geetha Lakshmi	Asst Prof	Electronic Circuit Analysis	ECE
2	Mr M.Ramesh	Asst Prof	Digital IC Design	ECE
3	Mrs K.Syamala	Asst Prof	Analog Communication	ECE
4	Mr Ch.Sri Ramulu	Asst Prof	Linear Control Systems	ECE
5	Mr K.Ramya Krishna	Asst Prof	Management and Organizational Behavior	MBA
6	Mrs G.Roja/ Mr G.Venkata Santosh	Asst Prof	Electronic Circuit Analysis Lab	ECE
7	Mr B.Sudha/ Mr M.Vinay Kumar	Asst Prof	Analog Communication Lab	ECE
8	Mr D.Rahul/ Mrs U.Geetha Lakshmi	Asst Prof	Digital IC Design Lab	ECE
9	Mrs N.Santoshi	Asst Prof	Soft Skills	BS&H
10	Mrs M.Anusha Kumari	Asst Prof	Constitution of INDIA	MBA
11	Mrs N.Rajani	Asst Prof	CRT	Training and Placement Cell

HOD-ECE

Head of the Department

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CLASS TIME TABLE AY :2021-2022

CLASS:II B.Tech- II SEM
SEC-B

w.e.f:14-02-2022

Class Incharge: Mr R.Shiva								
DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MON	ECA/AC Lab			LUNCH	CI	LCS	MOB	DICD
TUE	ECA	DICD	AC		ECA	AC/DICD Lab		
WED	LCS	DICD	ECA		AC	CI	MOB	CRT
THU	DICD	MOB	AC		Library	LCS	ECA	CRT
FRI	Tutorial Classes				LCS	MOB	DICD	SPORTS
SAT	DICD/ECA Lab				LCS	ECA	DICD	MOB

S.No	NAME OF THE FACULTY	DESIGNATION	SUBJECT/LAB	DEPARTMENT
1	Mr K.Avinash Kumar	Asst Prof	Electronic Circuit Analysis	ECE
2	Mr R.Shiva	Asst Prof	Digital IC Design	ECE
3	Mr D.RAhul	Asst Prof	Analog Communication	ECE
4	Mrs S.S.Bhavani	Asst Prof	Linear Control Systems	ECE
5	Mr Y.Reddy	Asst Prof	Management and Organizational Behavior	MBA
6	Mrs R.Padma/ Mr S.Daya Sagar	Asst Prof	Electronic Circuit Analysis Lab	ECE
7	Mr R.Shiva/ Mr Ch.Sri Ramulu	Asst Prof	Analog Communication Lab	ECE
8	Mr M.Ramesh/ Mr P.Santosh Kumar	Asst Prof	Digital IC Design Lab	ECE
9	Mrs N.Santoshi	Asst Prof	Soft Skills	BS&H
10	Mrs M.Anusha Kumari	Asst Prof	Constitution of INDIA	MBA
11	Mrs.R.Hemalatha	Asst Prof	CRT	Training and Placement Cell

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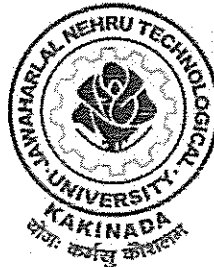
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

COURSE STRUCTURE AND SYLLABUS

For

B.TECH – ELECTRICAL AND ELECTRONICS ENGINEERING

(Applicable for batches admitted from 2020-2021)



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I B.Tech – I SEMESTER

Sl. No	Course Components	Subjects	L	T	P	Credits
1	HSMC	Communicative English	3	0	0	3
2	BSC	Mathematics-I (Calculus and Differential Equations)	3	0	0	3
3	BSC	Mathematics-II (Linear Algebra and Numerical Methods)	3	0	0	3
4	ESC	Programming for Problem Solving Using C	3	0	0	3
5	ESC	Engineering Drawing & Design	1	0	4	3
6	HSMC	English Communication Skills Laboratory	0	0	3	1.5
7	BSC	Electrical Engineering Workshop	0	1	3	1.5
8	ESC	Programming for Problem Solving Using C Lab	0	0	3	1.5
Total Credits						19.5

I B.Tech – II SEMESTER

Sl. No	Course Components	Subjects	L	T	P	Credits
1	BSC	Mathematics-III (Vector Calculus, Transforms and PDE)	3	0	0	3
2	BSC	Applied Physics	3	0	0	3
3	ESC	Data Structures Through C	3	0	0	3
4	ESC	Electrical Circuit Analysis-I	3	0	0	3
5	ESC	Basic Civil and Mechanical Engineering	3	0	0	3
6	BSC	Applied Physics Lab	0	0	3	1.5
7	ESC	Basic Civil and Mechanical Engineering Lab	0	0	3	1.5
8	ESC	Data Structures through C Lab	0	0	3	1.5
9	Mandatory Course	Constitution of India	2	0	0	0
Total Credits						19.5



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

I Year II Semester		L	T	P	C
	CONSTITUTION OF INDIA	2	0	0	0

Preamble:**Course Objectives:**

- To Enable the student to understand the importance of constitution
- To understand the structure of executive, legislature and judiciary
- To understand philosophy of fundamental rights and duties
- To understand the autonomous nature of constitutional bodies like Supreme Court and high court controller and auditor general of India and election commission of India.
- To understand the central and state relation financial and administrative.

UNIT-I

Introduction to Indian Constitution: Constitution meaning of the term, Indian Constitution - Sources and constitutional history, Features - Citizenship, Preamble, Fundamental Rights and Duties, Directive Principles of State Policy.

Learning outcomes:

After completion of this unit student will

- Understand the concept of Indian constitution
- Apply the knowledge on directive principle of state policy
- Analyze the History, features of Indian constitution
- Evaluate Preamble Fundamental Rights and Duties

UNIT-II

Union Government and its Administration Structure of the Indian Union: Federalism, Centre-State relationship, President: Role, power and position, PM and Council of ministers, Cabinet and Central Secretariat, Lok Sabha, Rajya Sabha, The Supreme Court and High Court: Powers and Functions;

Learning outcomes: -After completion of this unit student will

- Understand the structure of Indian government
- Differentiate between the state and central government
- Explain the role of President and Prime Minister
- Know the Structure of supreme court and High court

UNIT-III

State Government and its Administration Governor - Role and Position - CM and Council of ministers, State Secretariat: Organization, Structure and Functions

Learning outcomes: -After completion of this unit student will

- Understand the structure of state government
- Analyze the role Governor and Chief Minister
- Explain the role of state Secretariat
- Differentiate between structure and functions of state secretariat



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UNIT-IV

A. Local Administration - District's Administration Head - Role and Importance, Municipalities - Mayor and role of Elected Representative - CEO of Municipal Corporation
 Pachayati Raj: Functions PRI: Zila Panchayat, Elected officials and their roles, CEO Zila Panchayat: Block level Organizational Hierarchy - (Different departments), Village level - Role of Elected and Appointed officials - Importance of grass root democracy

Learning outcomes: -After completion of this unit student will

- Understand the local Administration
- Compare and contrast district administration role and importance
- Analyze the role of Myer and elected representatives of Municipalities
- Evaluate Zilla panchayat block level organization

UNIT-V

Election Commission: Election Commission- Role of Chief Election Commissioner and Election Commissionerate State Election Commission, Functions of Commissions for the welfare of SC/ST/OBC and women

Learning outcomes: -After completion of this unit student will

- Know the role of Election Commission apply knowledge
- Contrast and compare the role of Chief Election commissioner and Commissionerate
- Analyze role of state election commission
- Evaluate various commissions of viz SC/ST/OBC and women

References:

1. Durga Das Basu, Introduction to the Constitution of India, 12th edition Prentice – Hall of India Pvt. Ltd. New Delhi 2011.
2. Subash Kashyap, Indian Constitution, 2nd edition, National Book Trust, 2011.
3. J.A. Siwach, Dynamics of Indian Government & Politics, 2nd edition, Sterling Pub Private Ltd.,1990.
4. D.C. Gupta, Indian Government and Politics, 8th edition, Vikas Publishing House Pvt Ltd., 2015.
5. H.M.Sreevai, Constitutional Law of India, 4th edition in 3 volumes (Universal Law Publication), 2015.
6. J.C. Johari, Indian Government and Politics Hans, 13th edition, Shoban Lal & Co.2012.
7. J. Raj Indian Government and Politics, 1st edition, SAGE Texts Publication, 2008.
8. M.V. Pylee, Indian Constitution Durga Das Basu, Human Rights in Constitutional Law, 3rd edition, Lexis Nexis Publications, 2008.
9. Noorani, A.G., (South Asia Human Rights Documentation Centre), Challenges to Civil Right), Challenges to Civil Rights Guarantees in India, Oxford University Press 2012

E-resources:

1. nptel.ac.in/courses/109104074/8
2. nptel.ac.in/courses/109104045/
3. nptel.ac.in/courses/101104065/
4. www.hss.iitb.ac.in/en/lecture-details
5. www.iitb.ac.in/en/event/2nd-lecture-institute-lecture-series-indian-constitution



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Course Outcomes:

At the end of the semester/course, the student will be able to have a clear knowledge on the following:

- Understand historical background of the constitution making and its importance for building a democratic India.
- Understand the functioning of three wings of the government i.e., executive, legislative and judiciary.
- Understand the value of the fundamental rights and duties for becoming good citizen of India.
- Analyze the decentralization of power between central, state and local self-government.
- Apply the knowledge in strengthening of the constitutional institutions like CAG, Election Commission and UPSC for sustaining democracy.
 1. Know the sources, features and principles of Indian Constitution.
 2. Learn about Union Government, State government and its administration.
 3. Get acquainted with Local administration and Pachayati Raj.
 4. Be aware of basic concepts and developments of Human Rights.
 5. Gain knowledge on roles and functioning of Election Commission




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DEPARTMENT OF BASIC SCIENCE & HUMANATIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	Constitution of India	I-II Sem EEE	Mrs N Santoshi Assistant Professor	36	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Introduction to Indian Constitution		
Week 1	L1	Constitution meaning of the term	Chalk / LCD	11-4-22
	L2	Indian Constitution - Sources and constitutional history	Chalk / LCD	11-4-22
Week 2	L3	Features - Citizenship, Preamble	Chalk / LCD	18-4-22
	L4	Fundamental Rights and Duties	Chalk / LCD	25-4-22
Week 3	L5	Directive Principles of State Policy	Chalk / LCD	25-4-22
	L6	Directive Principles of State Policy	Chalk / LCD	2-5-22
UNIT II		Union Government and its Administration Structure of the Indian Union		
Week 4	L7	Federalism, CentreState relationship	Chalk / LCD	2-5-22
	L8	President: Role, power and position	Chalk / LCD	9-5-22
Week 5	L9	PM and Council of ministers	Chalk / LCD	9-5-22
	L10	Cabinet and Central Secretariat,	Chalk / LCD	16-5-22
Week 6	L11	Lok Sabha, Rajya Sabha	Chalk / LCD	16-5-22
	L12	The Supreme Court and High Court	Chalk / LCD	23-5-22
UNIT III		State Government and its Administration		
Week 7	L13	Governor - Role and Position	Chalk / LCD	23-5-22
	L14	CM and Council of ministers	Chalk / LCD	6-6-22
Week 8	L15	CM and Council of ministers	Chalk / LCD	6-6-22
	L16	State Secretariat: Organization	Chalk / LCD	13-6-22
Week 9	L17	State Secretariat: Structure	Chalk / LCD	13-6-22
	L18	State Secretariat: Functions	Chalk / LCD	20-6-22
UNIT IV		Local Administration		
Week 10	L19	District's Administration Head	Chalk / LCD	27-6-22
	L20	Role and Importance, Municipalities	Chalk / LCD	4-7-22
Week 11	L21	Mayor and role of Elected Representativ	Chalk / LCD	4-7-22
	L22	Pachayati Raj: Functions PRI, - Importance of grass root democracy	Chalk / LCD	11-7-22
UNIT-V		Election Commission		



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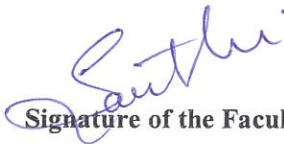
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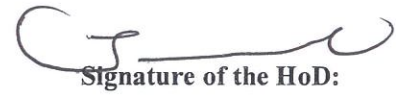
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Week 12	L23	Role of Chief Election Commissioner	Chalk / LCD	11-7-22
	L24	Election Commissionerate State Election Commission	Chalk / LCD	18-7-22
Week 13	L25	Functions of Commissions for the welfare of SC/ST	Chalk / LCD	18-7-22
	L26	Functions of Commissions for the welfare of /OBC and women	Chalk / LCD	22-7-22


Signature of the Faculty:


Signature of the HoD:

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DEPARTMENT OF BASIC SCIENCE & HUMANATIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	Constitution of India	I-II Sem CSM	Mrs D Sravya Sree Assistant Professor	62	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Introduction to Indian Constitution		
Week 1	L1	Constitution meaning of the term	Chalk / LCD	11-4-22
	L2	Indian Constitution - Sources and constitutional history	Chalk / LCD	18-4-22
Week 2	L3	Features - Citizenship, Preamble	Chalk / LCD	22-4-22
	L4	Fundamental Rights and Duties	Chalk / LCD	25-4-22
Week 3	L5	Directive Principles of State Policy	Chalk / LCD	29-4-22
	L6	Directive Principles of State Policy	Chalk / LCD	2-5-22
UNIT II		Union Government and its Administration Structure of the Indian Union		
Week 4	L7	Federalism, CentreState relationship	Chalk / LCD	9-5-22
	L8	President: Role, power and position	Chalk / LCD	13-5-22
Week 5	L9	PM and Council of ministers	Chalk / LCD	20-5-22
	L10	Cabinet and Central Secretariat,	Chalk / LCD	23-5-22
Week 6	L11	Lok Sabha, Rajya Sabha	Chalk / LCD	27-5-22
	L12	The Supreme Court and High Court	Chalk / LCD	6-6-22
UNIT III		State Government and its Administration		
Week 7	L13	Governor - Role and Position	Chalk / LCD	10-6-22
	L14	CM and Council of ministers	Chalk / LCD	13-6-22
Week 8	L15	CM and Council of ministers	Chalk / LCD	17-6-22
	L16	State Secretariat: Organization	Chalk / LCD	20-6-22
Week 9	L17	State Secretariat: Structure	Chalk / LCD	24-6-22
	L18	State Secretariat: Functions	Chalk / LCD	27-6-22
UNIT IV		Local Administration		
Week 10	L19	District's Administration Head	Chalk / LCD	1-7-22
	L20	Role and Importance, Municipalities	Chalk / LCD	4-7-22
Week 11	L21	Mayor and role of Elected Representativ	Chalk / LCD	8-7-22
	L22	Pachayati Raj: Functions PRI, - Importance of grass root democracy	Chalk / LCD	8-7-22
UNIT-V		Election Commission		



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Week 12	L23	Role of Chief Election Commissioner	Chalk / LCD	15-7-22
	L24	Election Commissionerate State Election Commission	Chalk / LCD	18-7-22
Week 13	L25	Functions of Commissions for the welfare of SC/ST	Chalk / LCD	22-7-22
	L26	Functions of Commissions for the welfare of /OB and women	Chalk / LCD	23-7-22


Signature of the Faculty:


Signature of the HoD:

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Vizianagaram Dist.-531162



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF BASIC SCIENCE & HUMANATIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	Constitution of India	I -II Sem CSD	Mrs N Santoshi Assistant Professor	59	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Introduction to Indian Constitution		
Week 1	L1	Constitution meaning of the term	Chalk / LCD	12-4-22
	L2	Indian Constitution - Sources and constitutional history	Chalk / LCD	19-4-22
Week 2	L3	Features - Citizenship, Preamble	Chalk / LCD	22-4-22
	L4	Fundamental Rights and Duties	Chalk / LCD	26-4-22
Week 3	L5	Directive Principles of State Policy	Chalk / LCD	29-4-22
	L6	Directive Principles of State Policy	Chalk / LCD	3-5-22
UNIT II		Union Government and its Administration Structure of the Indian Union		
Week 4	L7	Federalism, CentreState relationship	Chalk / LCD	10-5-22
	L8	President: Role, power and position	Chalk / LCD	13-5-22
Week 5	L9	PM and Council of ministers	Chalk / LCD	17-5-22
	L10	Cabinet and Central Secretariat,	Chalk / LCD	20-5-22
Week 6	L11	Lok Sabha, Rajya Sabha	Chalk / LCD	24-5-22
	L12	The Supreme Court and High Court	Chalk / LCD	27-5-22
UNIT III		State Government and its Administration		
Week 7	L13	Governor - Role and Position	Chalk / LCD	7-6-22
	L14	CM and Council of ministers	Chalk / LCD	10-6-22
Week 8	L15	CM and Council of ministers	Chalk / LCD	14-6-22
	L16	State Secretariat: Organization	Chalk / LCD	17-6-22
Week 9	L17	State Secretariat: Structure	Chalk / LCD	21-6-22
	L18	State Secretariat: Functions	Chalk / LCD	24-6-22
UNIT IV		Local Administration		
Week 10	L19	District's Administration Head	Chalk / LCD	28-6-22
	L20	Role and Importance, Municipalities	Chalk / LCD	1-7-22
Week 11	L21	Mayor and role of Elected Representativ	Chalk / LCD	5-7-22
	L22	Pachayati Raj: Functions PRI, - Importance of grass root democracy	Chalk / LCD	5-7-22
UNIT-V		Election Commission		



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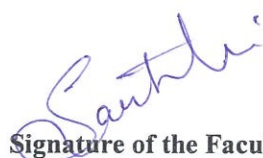
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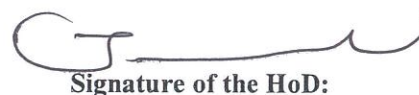
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Week 12	L23	Role of Chief Election Commissioner	Chalk / LCD	12-7-22
	L24	Election Commissionerate State Election Commission	Chalk / LCD	15-7-22
Week 13	L25	Functions of Commissions for the welfare of SC/ST	Chalk / LCD	19-7-22
	L26	Functions of Commissions for the welfare of /OBC and women	Chalk / LCD	22-7-22



Signature of the Faculty:



Signature of the HoD:

HOD - BS&H
Avanthi Institute of Engg.&Tech.
Cherukupalli (Vill), Bhogapuram (M)
Near Thagarapavalasa
Vizianagaram Dist.-531162



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DEPARTMENT OF BASIC SCIENCE & HUMANITIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	Constitution of India	I-II Sem Mech	Mrs D Sravya Sree Assistant Professor	19	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Introduction to Indian Constitution		
Week 1	L1	Constitution meaning of the term	Chalk / LCD	11-4-22
	L2	Indian Constitution - Sources and constitutional history	Chalk / LCD	11-4-22
Week 2	L3	Features - Citizenship, Preamble	Chalk / LCD	18-4-22
	L4	Fundamental Rights and Duties	Chalk / LCD	25-4-22
Week 3	L5	Directive Principles of State Policy	Chalk / LCD	25-4-22
	L6	Directive Principles of State Policy	Chalk / LCD	2-5-22
UNIT II		Union Government and its Administration Structure of the Indian Union		
Week 4	L7	Federalism, CentreState relationship	Chalk / LCD	2-5-22
	L8	President: Role, power and position	Chalk / LCD	9-5-22
Week 5	L9	PM and Council of ministers	Chalk / LCD	9-5-22
	L10	Cabinet and Central Secretariat,	Chalk / LCD	16-5-22
Week 6	L11	Lok Sabha, Rajya Sabha	Chalk / LCD	16-5-22
	L12	The Supreme Court and High Court	Chalk / LCD	23-5-22
UNIT III		State Government and its Administration		
Week 7	L13	Governor - Role and Position	Chalk / LCD	23-5-22
	L14	CM and Council of ministers	Chalk / LCD	6-6-22
Week 8	L15	CM and Council of ministers	Chalk / LCD	6-6-22
	L16	State Secretariat: Organization	Chalk / LCD	13-6-22
Week 9	L17	State Secretariat: Structure	Chalk / LCD	13-6-22
	L18	State Secretariat: Functions	Chalk / LCD	20-6-22
UNIT IV		Local Administration		
Week 10	L19	District's Administration Head	Chalk / LCD	27-6-22
	L20	Role and Importance, Municipalities	Chalk / LCD	4-7-22
Week 11	L21	Mayor and role of Elected Representativ	Chalk / LCD	4-7-22
	L22	Pachayati Raj: Functions PRI, - Importance of grass root democracy	Chalk / LCD	11-7-22
UNIT-V		Election Commission		



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Week 12	L23	Role of Chief Election Commissioner	Chalk / LCD	11-7-22
	L24	Election Commissionerate State Election Commission	Chalk / LCD	18-7-22
Week 13	L25	Functions of Commissions for the welfare of SC/ST	Chalk / LCD	18-7-22
	L26	Functions of Commissions for the welfare of /OBC and women	Chalk / LCD	22-7-22


Signature of the Faculty:


Signature of the HoD:

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DEPARTMENT OF MANAGEMENT STUDIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	Constitution of India	II -I Sem CSE-A	Mr K Umamahesh Assistant Professor	59	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Introduction to Indian Constitution		
Week 1	L1	Constitution meaning of the term	Chalk / LCD	5-10-21
	L2	Indian Constitution - Sources and constitutional history	Chalk / LCD	8-10-21
Week 2	L3	Features - Citizenship, Preamble	Chalk / LCD	12-10-21
	L4	Fundamental Rights and Duties	Chalk / LCD	15-10-21
Week 3	L5	Directive Principles of State Policy	Chalk / LCD	19-10-21
	L6	Directive Principles of State Policy	Chalk / LCD	22-10-21
UNIT II		Union Government and its Administration Structure of the Indian Union		
Week 4	L7	Federalism, CentreState relationship	Chalk / LCD	26-10-21
	L8	President: Role, power and position	Chalk / LCD	29-10-21
Week 5	L9	PM and Council of ministers	Chalk / LCD	2-11-21
	L10	Cabinet and Central Secretariat,	Chalk / LCD	5-11-21
Week 6	L11	Lok Sabha, Rajya Sabha	Chalk / LCD	9-11-21
	L12	The Supreme Court and High Court	Chalk / LCD	12-11-21
UNIT III		State Government and its Administration		
Week 7	L13	Governor - Role and Position	Chalk / LCD	16-11-21
	L14	CM and Council of ministers	Chalk / LCD	19-11-21
Week 8	L15	CM and Council of ministers	Chalk / LCD	30-11-21
	L16	State Secretariat: Organization	Chalk / LCD	3-12-21
Week 9	L17	State Secretariat: Structure	Chalk / LCD	7-12-21
	L18	State Secretariat: Functions	Chalk / LCD	10-12-21
UNIT IV		Local Administration		
Week 10	L19	District's Administration Head	Chalk / LCD	14-12-21
	L20	Role and Importance, Municipalities	Chalk / LCD	17-12-21
Week 11	L21	Mayor and role of Elected Representative	Chalk / LCD	21-12-21
	L22	Pachayati Raj: Functions PRI, - Importance of grass root democracy	Chalk / LCD	24-12-21
UNIT-V		Election Commission		



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Week 12	L23	Role of Chief Election Commissioner	Chalk / LCD	28-12-21
	L24	Election Commissionerate State Election Commission	Chalk / LCD	4-1-22
Week 13	L25	Functions of Commissions for the welfare of SC/ST	Chalk / LCD	11-1-22
	L26	Functions of Commissions for the welfare of /OBC and women	Chalk / LCD	18-1-22


Signature of the Faculty:


Signature of the HoD:

Head of the Department
Master of Business Administration
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Cherukupally (V), Near Tagarapavalasa Bridge,
Vizianagaram (M), Vizianagaram (D)-531162



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Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	Constitution of India	II –I Sem CSE-B	Mr K Umamahesh Assistant Professor	59	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Introduction to Indian Constitution		
Week 1	L1	Constitution meaning of the term	Chalk / LCD	6-10-21
	L2	Indian Constitution - Sources and constitutional history	Chalk / LCD	8 10 21
Week 2	L3	Features - Citizenship, Preamble	Chalk / LCD	12-10-21
	L4	Fundamental Rights and Duties	Chalk / LCD	15-10-21
Week 3	L5	Directive Principles of State Policy	Chalk / LCD	20-10-21
	L6	Directive Principles of State Policy	Chalk / LCD	22-10-21
UNIT II		Union Government and its Administration Structure of the Indian Union		
Week 4	L7	Federalism, CentreState relationship	Chalk / LCD	27-10-21
	L8	President: Role, power and position	Chalk / LCD	29-10-21
Week 5	L9	PM and Council of ministers	Chalk / LCD	3-11-21
	L10	Cabinet and Central Secretariat,	Chalk / LCD	5-11-21
Week 6	L11	Lok Sabha, Rajya Sabha	Chalk / LCD	10-11-21
	L12	The Supreme Court and High Court	Chalk / LCD	12-11-21
UNIT III		State Government and its Administration		
Week 7	L13	Governor - Role and Position	Chalk / LCD	17-11-21
	L14	CM and Council of ministers	Chalk / LCD	19-11-21
Week 8	L15	CM and Council of ministers	Chalk / LCD	24-11-21
	L16	State Secretariat: Organization	Chalk / LCD	26-11-21
Week 9	L17	State Secretariat: Structure	Chalk / LCD	3-12-21
	L18	State Secretariat: Functions	Chalk / LCD	8-12-21
UNIT IV		Local Administration		
Week 10	L19	District's Administration Head	Chalk / LCD	15-12-21
	L20	Role and Importance, Municipalities	Chalk / LCD	17-12-21
Week 11	L21	Mayor and role of Elected Representativ	Chalk / LCD	22-12-21
	L22	Pachayati Raj: Functions PRI, - Importance of grass root democracy	Chalk / LCD	24-12-21
UNIT-V		Election Commission		



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Week 12	L23	Role of Chief Election Commissioner	Chalk / LCD	29-12-21
	L24	Election Commissionerate State Election Commission	Chalk / LCD	5-1-22
Week 13	L25	Functions of Commissions for the welfare of SC/ST	Chalk / LCD	19-1-22
	L26	Functions of Commissions for the welfare of /OBC and women	Chalk / LCD	28-1-22


Signature of the Faculty:


Signature of the HoD:

Head of the Department

Master of Business Administration

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

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Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	Constitution of India	II -I Sem CSE-C	Mr K Umamahesh Assistant Professor	53	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I				
		Introduction to Indian Constitution		
Week 1	L1	Constitution meaning of the term	Chalk / LCD	5-10-21
	L2	Indian Constitution Sources and constitutional history	Chalk / LCD	8-10-21
Week 2	L3	Features - Citizenship, Preamble	Chalk / LCD	12-10-21
	L4	Fundamental Rights and Duties	Chalk / LCD	15-10-21
Week 3	L5	Directive Principles of State Policy	Chalk / LCD	19-10-21
	L6	Directive Principles of State Policy	Chalk / LCD	22-10-21
UNIT II				
		Union Government and its Administration Structure of the Indian Union		
Week 4	L7	Federalism, CentreState relationship	Chalk / LCD	26-10-21
	L8	President: Role, power and position	Chalk / LCD	29-10-21
Week 5	L9	PM and Council of ministers	Chalk / LCD	2-11-21
	L10	Cabinet and Central Secretariat,	Chalk / LCD	5-11-21
Week 6	L11	Lok Sabha, Rajya Sabha	Chalk / LCD	9-11-21
	L12	The Supreme Court and High Court	Chalk / LCD	12-11-21
UNIT III				
		State Government and its Administration		
Week 7	L13	Governor - Role and Position	Chalk / LCD	16-11-21
	L14	CM and Council of ministers	Chalk / LCD	19-11-21
Week 8	L15	CM and Council of ministers	Chalk / LCD	30-11-21
	L16	State Secretariat: Organization	Chalk / LCD	3-12-21
Week 9	L17	State Secretariat: Structure	Chalk / LCD	7-12-21
	L18	State Secretariat: Functions	Chalk / LCD	10-12-21
UNIT IV				
		Local Administration		
Week 10	L19	District's Administration Head	Chalk / LCD	14-12-21
	L20	Role and Importance, Municipalities	Chalk / LCD	17-12-21
Week 11	L21	Mayor and role of Elected Representativ	Chalk / LCD	21-12-21
	L22	Pachayati Raj: Functions PRI, - Importance of grass root democracy	Chalk / LCD	24-12-21
UNIT-V				
		Election Commission		



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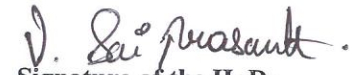
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Week 12	L23	Role of Chief Election Commissioner	Chalk / LCD	28-12-21
	L24	Election Commissionerate State Election Commission	Chalk / LCD	4-1-22
Week 13	L25	Functions of Commissions for the welfare of SC/ST	Chalk / LCD	11-1-22
	L26	Functions of Commissions for the welfare of /OBC and women	Chalk / LCD	18-1-22


Signature of the Faculty:


Signature of the HoD:

Head of the Department
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Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	Constitution of India	II-II Sem ECE-A	Mrs M Anusha Kumari Assistant Professor	46	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Introduction to Indian Constitution		
Week 1	L1	Constitution meaning of the term	Chalk / LCD	1-3-22
	L2	Indian Constitution - Sources and constitutional history	Chalk / LCD	4-3-22
Week 2	L3	Features - Citizenship, Preamble	Chalk / LCD	8-3-22
	L4	Fundamental Rights and Duties	Chalk / LCD	11-3-22
Week 3	L5	Directive Principles of State Policy	Chalk / LCD	15-3-22
	L6	Directive Principles of State Policy	Chalk / LCD	22-3-22
UNIT II		Union Government and its Administration Structure of the Indian Union		
Week 4	L7	Federalism, CentreState relationship	Chalk / LCD	29-3-22
	L8	President: Role, power and position	Chalk / LCD	1-4-22
Week 5	L9	PM and Council of ministers	Chalk / LCD	5-4-22
	L10	Cabinet and Central Secretariat,	Chalk / LCD	8-4-22
Week 6	L11	Lok Sabha, Rajya Sabha	Chalk / LCD	12-4-22
	L12	The Supreme Court and High Court	Chalk / LCD	13-4-22
UNIT III		State Government and its Administration		
Week 7	L13	Governor - Role and Position	Chalk / LCD	26-4-22
	L14	CM and Council of ministers	Chalk / LCD	29-4-22
Week 8	L15	CM and Council of ministers	Chalk / LCD	3-5-22
	L16	State Secretariat: Organization	Chalk / LCD	6-5-22
Week 9	L17	State Secretariat: Structure	Chalk / LCD	10-5-22
	L18	State Secretariat: Functions	Chalk / LCD	13-5-22
UNIT IV		Local Administration		
Week 10	L19	District's Administration Head	Chalk / LCD	20-5-22
	L20	Role and Importance, Municipalities	Chalk / LCD	24-5-22
Week 11	L21	Mayor and role of Elected Representative	Chalk / LCD	27-5-22
	L22	Pachayati Raj: Functions PRI, - Importance of grass root democracy	Chalk / LCD	31-5-22
UNIT-V		Election Commission		



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Week 12	L23	Role of Chief Election Commissioner	Chalk / LCD	3-6-22
	L24	Election Commissionerate State Election Commission	Chalk / LCD	7-6-22
Week 13	L25	Functions of Commissions for the welfare of SC/ST	Chalk / LCD	10-6-22
	L26	Functions of Commissions for the welfare of /OBC and women	Chalk / LCD	10-6-22

M. K. Mani

Signature of the Faculty:

D. Sai Prapant

Signature of the HoD:

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Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	Constitution of India	II -II Sem ECE-B	Mrs M Anusha Kumari Assistant Professor	49	26	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Introduction to Indian Constitution		
Week 1	L1	Constitution meaning of the term	Chalk / LCD	28-2-22
	L2	Indian Constitution - Sources and constitutional history	Chalk / LCD	2-3-22
Week 2	L3	Features - Citizenship, Preamble	Chalk / LCD	7-3-22
	L4	Fundamental Rights and Duties	Chalk / LCD	9-3-22
Week 3	L5	Directive Principles of State Policy	Chalk / LCD	14-3-22
	L6	Directive Principles of State Policy	Chalk / LCD	16-3-22
UNIT II		Union Government and its Administration Structure of the Indian Union		
Week 4	L7	Federalism, CentreState relationship	Chalk / LCD	21-3-22
	L8	President: Role, power and position	Chalk / LCD	23-3-22
Week 5	L9	PM and Council of ministers	Chalk / LCD	28-3-22
	L10	Cabinet and Central Secretariat,	Chalk / LCD	30-3-22
Week 6	L11	Lok Sabha, Rajya Sabha	Chalk / LCD	4-4-22
	L12	The Supreme Court and High Court	Chalk / LCD	6-4-22
UNIT III		State Government and its Administration		
Week 7	L13	Governor - Role and Position	Chalk / LCD	11-4-22
	L14	CM and Council of ministers	Chalk / LCD	13-4-22
Week 8	L15	CM and Council of ministers	Chalk / LCD	25-4-22
	L16	State Secretariat: Organization	Chalk / LCD	27-4-22
Week 9	L17	State Secretariat: Structure	Chalk / LCD	2-5-22
	L18	State Secretariat: Functions	Chalk / LCD	4-5-22
UNIT IV		Local Administration		
Week 10	L19	District's Administration Head	Chalk / LCD	9-5-22
	L20	Role and Importance, Municipalities	Chalk / LCD	11-5-22
Week 11	L21	Mayor and role of Elected Representativ	Chalk / LCD	18-5-22
	L22	Pachayati Raj: Functions PRI, - Importance of grass root democracy	Chalk / LCD	23-5-22
UNIT-V		Election Commission		



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Week 12	L23	Role of Chief Election Commissioner	Chalk / LCD	25-5-22
	L24	Election Commissionerate State Election Commission	Chalk / LCD	30-5-22
Week 13	L25	Functions of Commissions for the welfare of SC/ST	Chalk / LCD	1-6-22
	L26	Functions of Commissions for the welfare of /OBC and women	Chalk / LCD	3-6-22

MAKUMAR
Signature of the Faculty:

D. Sai Prasanth
Signature of the HoD:

Head of the Department
Master of Business Administration
AVANTHI INSTITUTE OF ENGG. & TECH.
Cherukupally (V), Near Tagarapuvalasa Bridge
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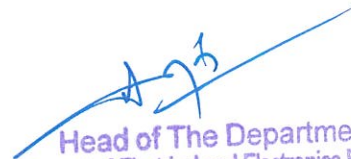
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CLASS TIME TABLE AY -2021-22

CLASS:II BTECH I SEM

Class in- charge- N.Kian Kumar								
DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:20	2:20-3:30	3:30-4:20
MON	ECA-II	M-IV	DCMT	LUNCH	EMF	SIM LAB/EDC LAB		
TUE	EMF	EDC	ECA-II		M-IV	SIM LAB/EDC LAB		
WED	DCMT	ECA-II	M-IV		M-IV	PEHV	EMF	SPORTS
THU	M-IV	DCMT	PEHV		EMF	EDC	EDC	LIB
FRI	EDC	ECA-II	M-IV		DCMT	EC LAB/EM-I LAB		
SAT	DCMT	EMF	ECA-II		EDC	EC LAB/EM-I LAB		

S.NO.	NAME OF THE FACULTY	DESIGNATION	SUBJECT NAME	DEPARTMENT
1	G.Giridhar Reddy	Asst.Professor	ElectricalCircuitsAnalysis-II	EEE
2	N.Kian Kumar	Asst.Professor	DC machines & Transformers	EEE
3	P.Santhosh kumar	Asst.Professor	Electronic devices and circuits	ECE
4	B.Madhu Sudan Rao	Asst.Professor	Electro Magnetic Field Theory	EEE
5	Y.Sravana kumar	Asst.Professor	Professional Ethics and Human values	MBA
6	K T D Mohan	Asst.Professor	M - IV	BS&H
7	K.Pravena	Asst.Professor	Electrical Machines – I Lab	EEE
8	G.V.Phanindra	Asst.Professor	Electrical Circuits Laboratory	EEE
9	V.Sudha	Asst. Prof	Electronic Devices and Circuits lab	ECE
10	S.Jhansi Rani	Asst. Prof	Simulatuion lab	EEE


 Head of The Department
 Department of Electrical and Electronics Engineering
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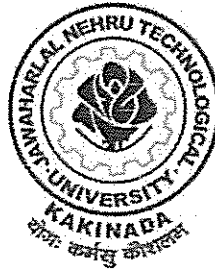
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

COURSE STRUCTURE AND SYLLABUS

For

B.TECH – ELECTRICAL AND ELECTRONICS ENGINEERING

(Applicable for batches admitted from 2020-2021)



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KAKINADA-533003, Andhra Pradesh, India



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

II B.Tech – I Semester

Sl. No	Course Components	Subjects	L	T	P	Credits
1	BSC	Mathematics– IV	3	0	0	3
2	PCC	Electronic Devices and Circuits	3	0	0	3
3	PCC	Electrical Circuit Analysis –II	3	0	0	3
4	PCC	DC Machines and Transformers	3	0	0	3
5	PCC	Electro Magnetic Fields	3	0	0	3
6	PCC	Electrical Circuits Lab	0	0	3	1.5
7	PCC	DC Machines and Transformers Lab	0	0	3	1.5
8	PCC	Electronic Devices and Circuits lab	0	0	3	1.5
9	SC	Skill oriented course - Design of Electrical Circuits using Engineering Software Tools	0	0	4	2
10	MC	Professional Ethics & Human Values	2	0	0	0
Total Credits			21.5			

II B.Tech – II Semester

Sl. No	Course Components	Subjects	L	T	P	Credits
1	ESC	Python Programming	3	0	0	3
2	PCC	Digital Electronics	3	0	0	3
3	PCC	Power System-I	3	0	0	3
4	PCC	Induction and Synchronous Machines	3	0	0	3
5	HSMC	Managerial Economics & Financial Analysis	3	0	0	3
6	ESC	Python Programming Lab	0	0	3	1.5
7	PCC	Induction and Synchronous Machines Lab	0	0	3	1.5
8	PCC	Digital Electronics Lab	0	0	3	1.5
9	SC	Skill oriented course- IoT Applications of Electrical Engineering Lab	0	0	4	2
Total Credits			21.5			
		Minors Course*	4	0	0	4
		Honors Course*	4	0	0	4



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

II Year I Semester	L	T	P	C
	2	0	0	0
PROFESSIONAL ETHICS & HUMAN VALUES				

Preamble:

This course is a mandatory course introduced to impart the Ethics and Human Values to the students in engineering education.

Course Objectives:

- To create an awareness on Engineering Ethics and Human Values.
- To instill Moral and Social Values and Loyalty
- To appreciate the rights of others
- To create awareness on assessment of safety and risk

UNIT -I**Human Values:**

Morals, Values and Ethics-Integrity-Work Ethic-Service learning – Civic Virtue – Respect for others –Living Peacefully –Caring –Sharing –Honesty –Courage-Cooperation–Commitment –Empathy –Self Confidence Character –Spirituality.

Learning outcomes:

1. Learn about morals, values & work ethics.
2. Learn to respect others and develop civic virtue.
3. Develop commitment
4. Learn how to live peacefully

UNIT -II**Engineering Ethics:**

Senses of 'Engineering Ethics-Variety of moral issued –Types of inquiry –Moral dilemmas –Moral autonomy –Kohlberg's theory-Gilligan's Theory-Consensus and controversy –Models of professional roles-Theories about right action-Self-interest -Customs and religion –Uses of Ethical theories –Valuing time –Cooperation –Commitment.

Learning outcomes:

1. Learn about the ethical responsibilities of the engineers.
2. Create awareness about the customs and religions.
3. Learn time management
4. Learn about the different professional roles.

UNIT -III**Engineering as Social Experimentation:**

Engineering As Social Experimentation –Framing the problem –Determining the facts –Codes of Ethics –Clarifying Concepts –Application issues –Common Ground –General Principles –Utilitarian thinking respect for persons.

Learning outcomes:

1. Demonstrate knowledge to become a social experimenter.
2. Provide depth knowledge on framing of the problem and determining the facts.
3. Provide depth knowledge on codes of ethics.
4. Develop utilitarian thinking



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UNIT -IV

Engineers Responsibility for Safety and Risk:

Safety and risk –Assessment of safety and risk –Risk benefit analysis and reducing risk- Safety and the Engineer-Designing for the safety-Intellectual Property rights (IPR).

Learning outcomes:

1. Create awareness about safety, risk & risk benefit analysis.
2. Engineer's design practices for providing safety.
3. Provide knowledge on intellectual property rights.

UNIT- V

Global Issues:

Globalization –Cross-culture issues-Environmental Ethics –Computer Ethics –Computers as the instrument of Unethical behavior –Computers as the object of Unethical acts – Autonomous Computers-Computer codes of Ethics –Weapons Development -Ethics and Research –Analyzing Ethical Problems in research.

Learning outcomes:

1. Develop knowledge about global issues.
2. Create awareness on computer and environmental ethics
3. Analyze ethical problems in research.
4. Give a picture on weapons development.

Course outcomes:

Students will be able to:

- Identify and analyze an ethical issue in the subject matter under investigation or in a relevant field
- Identify the multiple ethical interests at stake in a real-world situation or practice
- Articulate what makes a particular course of action ethically defensible
- Assess their own ethical values and the social context of problems
- Identify ethical concerns in research and intellectual contexts, including academic integrity, use and citation of sources, the objective presentation of data, and the treatment of human subjects
- Demonstrate knowledge of ethical values in non-classroom activities, such as service learning, internships, and field work
- Integrate, synthesize, and apply knowledge of ethical dilemmas and resolutions in academic settings, including focused and interdisciplinary research.

Text Books:

- 1) "Engineering Ethics includes Human Values" by M.Govindarajan, S.Natarajan and, V.S.Senthil Kumar-PHI Learning Pvt. Ltd-2009
- 2) "Engineering Ethics" by Harris, Pritchard and Rabins, CENGAGE Learning, India Edition, 2009.
- 3) "Ethics in Engineering" by Mike W. Martin and Roland Schinzinger –Tata McGraw-Hill–2003.
- 4) "Professional Ethics and Morals" by Prof.A.R.Aryasri, DharanikotaSuyodhana-Maruthi Publications.
- 5) "Professional Ethics and Human Values" by A.Alavudeen, R.KalilRahman and M. Jayakumaran, Laxmi Publications.
- 6) "Professional Ethics and Human Values" by Prof.D.R.Kiran-"Indian Culture, Values and Professional Ethics" by PSR Murthy-BS Publication



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DEPARTMENT OF MANAGEMENT STUDIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	Professional Ethics & Human Values	II-I EEE	Mr Y Sravan Kumar Assistant Professor	48	30	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Human Values		
Week 1	L1	Morals, Values and Ethics-Integrity-Work	Chalk / LCD	6-10-21
	L2	Civic Virtue – Respect for others	Chalk / LCD	7 10 21
	L3	Living Peacefully –Caring –Sharing	Chalk / LCD	8-10-21
Week 2	L4	Honesty -Courage-Cooperation–	Chalk / LCD	13-10-21
	L5	Commitment – Empathy	Chalk / LCD	14-10-21
	L6	Self Confidence Character –Spirituality.	Chalk / LCD	15-10-21
UNIT II		Engineering Ethics	Chalk / LCD	
Week 3	L7	Senses of 'Engineering Ethics	Chalk / LCD	21-10-21
	L8	Types of inquiry – Moral dilemmas –Moral autonomy	Chalk / LCD	22-10-21
	L9	Kohlberg's theory- Consensus and controversy	Chalk / LCD	22-10-21
Week 4	L10	Gilligan's theory-Consensus and controversy	Chalk / LCD	27-10-21
	L11	Models of professional roles	Chalk / LCD	29-10-21
	L12	Uses of Ethical theories –Valuing time	Chalk / LCD	3-11-21
UNIT III		Engineering as Social Experimentation		
Week 5	L13	Framing the problem –Determining the facts	Chalk / LCD	5-11-21
	L14	Codes of Ethics	Chalk / LCD	10-11-21
	L15	Application issues – Common Ground	Chalk / LCD	11-11-21
Week 6	L16	Utilitarian thinking respect for persons.	Chalk / LCD	12-1-21
	UNIT IV	Engineers Responsibility for Safety and Risk	Chalk / LCD	
	L17	Safety and risk	Chalk / LCD	17-11-21
	L18	Assessment of safety and risk	Chalk / LCD	18-11-21
Week	L19	Risk benefit analysis and reducing risk-Safety	Chalk / LCD	19-11-21



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7	L20	the Engineer-Designing for the safety	Chalk / LCD	1-12-21
	L21	Intellectual Property rights (IPR).	Chalk / LCD	2-12-21
Week 8	L22	Intellectual Property rights (IPR).	Chalk / LCD	3-12-21
	UNIT V	Global Issues	Chalk / LCD	
	L23	Globalization	Chalk / LCD	9-12-21
	L24	Cross-culture issues	Chalk / LCD	10-12-21
Week 9	L25	Environmental Ethics	Chalk / LCD	15-12-21
	L26	Computer Ethics	Chalk / LCD	15-12-21
	L27	Computers as the instrument of Unethical behavior	Chalk / LCD	17-12-21
Week 10	L28	Computers as the object of Unethical acts	Chalk / LCD	22-12-21
	L29	Computer codes of Ethics	Chalk / LCD	6-1-22
	L30	Analyzing Ethical Problems in research.	Chalk / LCD	19-1-22


Signature of the Faculty:


Signature of the HoD:

Head of the Department
Master of Business Administration
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CLASS TIME TABLE AY :2021-2022

CLASS:III B.Tech- II SEM
SEC-A

w.e.f:14-02-2022

Class Incharge: Mrs R.Padma								
DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MON	IOT	CMC	VLSID	LUNCH	DSP	DM	CRT	Library
TUE	CMC	VLSID	WWTD		DSP	VLSI/DSP Lab		
WED	DSP/VLSI Lab				CRT	DM	IOT	CRT
THU	VLSID	DSP	WWTD		DM	CMC	WWTD	SPORTS
FRI	DSP	CMC	VLSID		IPR & Patents	Tutorial Classes		
SAT	DM	WWTD	IOT		IPR & Patents	WWTD	CMC	IOT

S.NO.	NAME OF THE FACULTY	DESIGNATION	SUBJECT/LAB	DEPARTMENT
1	Mrs K.Swetha	Asst Prof	Wired and Wireless Transmission Devices	ECE
2	Mr B.Sudha	Asst Prof	VLSI Design	ECE
3	Mrs R.Padma	Asst Prof	Digital Signal Processing	ECE
4	Mr P.Santosh Kumar	Asst Prof	Cellular & Mobile Communication	ECE
5	Mr A.Vasudeva rao	Asst Prof	Data Mining	CSE
6	Mr Surendra kumar choudary	Asst Prof	Internet of Things	CSE
7	Mrs.R.Hemalatha	Asst Prof	CRT	Training & Placement Cell
8	Ms M.Dimple	Asst Prof	IPR & Patents	MBA
9	Mrs P.Prabhavathi/ Mrs K.Swetha	Asst Prof	VLSI Design Lab	ECE
10	Mrs K.Syamala/ Mrs S.S.Bhavani	Asst Prof	Digital Signal Processing Lab	ECE

HOD-ECE

Head of the Department
Electronics & Communication Engineering
AVANTHI INSTITUTE OF ENGG. & TECH
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CLASS TIME TABLE AY :2021-2022

CLASS:III B.Tech- II SEM
SEC-B

w.e.f:14-02-2022

Class Incharge: Mr S.Daya Sagar								
DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MON	WWTD	CMC	VLSID	LUNCHE	IOT	DM	CRT	SPORTS
TUE	CMC	VLSID	WWTD		DSP	IOT	IOT	WWTD
WED	VLSID	DSP	WWTD		CRT	CMC	DSP	IPR & Patents
THU	DSP/VLSI Lab				DM	Tutorial Classes		
FRI	DSP	CMC	IPR & Patents		CMC	DM	WWTD	Library
SAT	DM	IOT	CMC		VLSID	VLSI/DSP Lab		

S.NO.	NAME OF THE FACULTY	DESIGNATION	SUBJECT/LAB	DEPARTMENT
1	Mr K.Suri Babu	Asst Prof	Wired and Wireless Transmission Devices	ECE
2	Mr M.Vinay Kumar	Asst Prof	VLSI Design	ECE
3	Mr S.Daya Sagar	Asst Prof	Digital Signal Processing	ECE
4	Mr P.Syam Kumar	Asst Prof	Cellular & Mobile Communication	ECE
5	Mrs.Uma mythrayee	Asst Prof	Data Mining	CSE
6	Mr G.Venkata swamy	Asst Prof	Internet of Things	CSE
7	Mrs.R.Hemalatha	Asst Prof	CRT	Training & Placement Cell
8	Ms M.Dimple	Asst Prof	IPR & Patents	MBA
9	Mr P.Syam Kumar/ Mr V.S.Bhaskar Rao	Asst Prof	VLSI Design Lab	ECE
10	Mr K.Suri Babu/ Mr K.Avinash kumar	Asst Prof	Digital Signal Processing Lab	ECE

HOD-ECE

Head of the Department

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CLASS TIME TABLE AY :2021-2022

CLASS:III B.Tech- II SEM
SEC-A

w.e.f:14-02-2022

Class Incharge: Mrs R.Padma								
DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MON	IOT	CMC	VLSID	LUNCH	DSP	DM	CRT	Library
TUE	CMC	VLSID	WWTD		DSP	VLSI/DSP Lab		
WED	DSP/VLSI Lab				CRT	DM	IOT	CRT
THU	VLSID	DSP	WWTD		DM	CMC	WWTD	SPORTS
FRI	DSP	CMC	VLSID		IPR & Patents Tutorial Classes			
SAT	DM	WWTD	IOT		IPR & Patents			
						WWTD	CMC	IOT

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THU	DSP/VLSI Lab				DM	Tutorial Classes		
FRI	DSP	CMC	IPR & Patents		CMC	DM	WWTD	Library
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B. TECH ELECTRONICS AND COMMUNICATION ENGINEERING

(Applicable for batches admitted from 2019-2020)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA

KAKINADA - 533 003, Andhra Pradesh, India



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

III Year – I Semester

S. No.	Course	Category	L	T	P	Credits
1	Linear Integrated Circuits and Applications	PC	3	0	0	3
2	Microprocessor and Microcontrollers	PC	3	0	0	3
3	Digital Communications	PC	3	0	0	3
4	Electronic Measurements & Instrumentation	PC	3	0	0	3
5	Professional Elective (PE 1)	PE	3	0	0	3
6	Linear Integrated Circuits and Applications - Lab	LC	0	0	3	1.5
7	Digital Communications Lab	LC	0	0	3	1.5
8	Microprocessor and Microcontrollers - Lab	LC	0	0	3	1.5
9	Mini Project with Hardware Development	PR	0	0	3	1.5
10	Essence of Indian Traditional Knowledge	MC	3	0	0	0
					Sub-Total	21

III Year – IISemester

S. No.	Course	Category	L	T	P	Credits
1	Wired and Wireless Transmission Devices	PC	3	0	0	3
2	VLSI Design	PC	3	0	0	3
3	Digital Signal Processing	PC	3	0	0	3
4	Professional Elective (PE2)	PE	3	0	0	3
5	Open Elective (OE1)	OE	3	0	0	3
6	Internet of Things	PC	3	0	0	3
7	VLSI Lab	LC	0	0	3	1.5
8	Digital Signal Processing Lab	LC	0	0	3	1.5
9	Intellectual Property Rights (IPR) & Patents	MC	3	0	0	0
					Sub-Total	21



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

III Year - II Semester	L	T	P	C
	3	0	0	0
Intellectual Property Rights (IPR) & Patents				

UNIT I

Introduction to Intellectual Property Rights (IPR): Concept of Property - Introduction to IPR – International Instruments and IPR - WIPO - TRIPS – WTO -Laws Relating to IPR - IPR Tool Kit - Protection and Regulation - Copyrights and Neighboring Rights – Industrial Property – Patents - Agencies for IPR Registration – Traditional Knowledge –Emerging Areas of IPR - Layout Designs and Integrated Circuits – Use and Misuse of Intellectual PropertyRights.

UNIT II

Copyrights and Neighboring Rights: Introduction to Copyrights – Principles of Copyright Protection – Law Relating to Copyrights - Subject Matters of Copyright – Copyright Ownership – Transfer and Duration – Right to Prepare Derivative Works –Rights of Distribution – Rights of Performers – Copyright Registration – Limitations – Infringement of Copyright – Relief and Remedy – Case Law - Semiconductor Chip ProtectionAct.

UNIT III

Patents: Introduction to Patents - Laws Relating to Patents in India – Patent Requirements – Product Patent and Process Patent - Patent Search - Patent Registration and Granting of Patent - Exclusive Rights – Limitations - Ownership and Transfer — Revocation of Patent – Patent Appellate Board - Infringement of Patent – Compulsory Licensing — Patent Cooperation Treaty – New developments in Patents – Software Protection and Computer relatedInnovations

UNIT IV

Trademarks: Introduction to Trademarks – Laws Relating to Trademarks – Functions of Trademark – Distinction between Trademark and Property Mark – Marks Covered under Trademark Law - Trade Mark Registration – Trade Mark Maintenance – Transfer of rights - Deceptive Similarities

Likelihood of Confusion - Dilution of Ownership – Trademarks Claims and Infringement – Remedies – Passing Off Action.



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UNIT V

Trade Secrets & Cyber Law and Cyber Crime: Introduction to Trade Secrets – General Principles
- Laws Relating to Trade Secrets–

Maintaining Trade Secret – Physical Security – Employee Access Limitation – Employee Confidentiality Agreements – Breach of Contract –Law of Unfair Competition – Trade Secret Litigation – Applying State Law.

Cyber Law – Information Technology Act 2000 - Protection of Online and Computer Transactions –

E-commerce - Data Security – Authentication and Confidentiality - Privacy - Digital Signatures
– Certifying Authorities - Cyber Crimes - Prevention and Punishment – Liability of Network Providers.

References:

- 1) Intellectual Property Rights (Patents & Cyber Law), Dr. A. Srinivas. Oxford University Press, NewDelhi.
- 2) Deborah E.Bouchoux: Intellectual Property, Cengage Learning, NewDelhi.
- 3) PrabhuddhaGanguli: Intellectual Property Rights, Tata Mc-Graw –Hill, NewDelhi
- 4) Richard Stim: Intellectual Property, Cengage Learning, NewDelhi.
- 5) Kompal Bansal &Parishit Bansal Fundamentals of IPR for Engineers, B. S. Publications (Press).
- 6) Cyber Law - Texts & Cases, South-Western’s Special TopicsCollections.
- 7) R.Radha Krishnan, S.Balasubramanian: Intellectual Property Rights, Excel Books. New Delhi.
- 8) M.Ashok Kumar and MohdIqbal Ali: Intellectual Property Rights, SerialsPub.

Course Outcomes:

- IPR Laws and patents pave the way for innovative ideas which are instrumental for inventions to seekPatents
- Student get an insight on Copyrights, Patents and Software patents which are instrumental for furtheradvancements
- advanced Technical and Scientific disciplines
- Imparting IPR protections and regulations for further advancement, so that the students can familiarize with the latestdevelopments




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DEPARTMENT OF MANAGEMENT STUDIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	IPR & Patents	III-II ECE-A	Ms M Dimple Assistant Professor	54	28	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I				
Introduction to Intellectual Property Rights (IPR)				
Week 1	L1	Concept of Property - Introduction to IPR	Chalk / LCD	18-2-22
	L2	International Instruments and IPR - WIPO - TRIPS – WTO	Chalk / LCD	19-2-22
Week 2	L3	IPR Tool Kit - Protection and Regulation - Copyrights	Chalk / LCD	25-2-22
	L4	Industrial Property – Patents	Chalk / LCD	26-2-22
Week 3	L5	Traditional Knowledge –Emerging Areas of IPR	Chalk / LCD	4-3-22
	L6	Use and Misuse of Intellectual Property Rights	Chalk / LCD	5-3-22
UNIT II				
Copyrights and Neighboring Rights				
Week 4	L7	Principles of Copyright Protection – Law Relating to Copyrights	Chalk / LCD	11-3-22
	L8	Subject Matters of Copyright	Chalk / LCD	12-3-22
Week 5	L9	Right to Prepare Derivative Works	Chalk / LCD	17-3-22
	L10	Copyright Registration – Limitations	Chalk / LCD	19-3-22
Week 6	L11	Infringement of Copyright – Relief and Remedy	Chalk / LCD	25-3-22
	L12	Semiconductor Chip Protection Act.	Chalk / LCD	26-3-22
UNIT III				
Patents				
Week 7	L13	Introduction to Patents Laws Relating to Patent in India	Chalk / LCD	1-4-22
	L14	Patent Requirements – Product Patent and Process Patent	Chalk / LCD	2-4-22
Week 8	L15	Patent Registration and Granting of Patent	Chalk / LCD	16-4-22
	L16	Exclusive Rights – Limitations - Ownership	Chalk / LCD	22-4-22
Week 9	L17	Patent Cooperation Treaty – New developments Patents	Chalk / LCD	23-4-22
	L18	Software Protection and Computer related Innovations.	Chalk / LCD	29-4-22



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UNIT IV		Trademarks		
Week 10	L19	Laws Relating to Trademarks – Functions of Trademark	Chalk / LCD	30-4-22
	L20	Marks Covered under Trademark Law - Trade Mark Registration	Chalk / LCD	6-5-22
Week 11	L21	Transfer of rights - Deceptive Similarities	Chalk / LCD	7-5-22
	L22	Trademarks Claims and Infringement – Remedies – Passing Off Action.	Chalk / LCD	13-5-22
UNIT V		Trade Secrets		
Week 12	L23	General Principles - Laws Relating to Trade Secrets	Chalk / LCD	14-5-22
	L24	Employee Access Limitation – Employee Confidentiality Agreements	Chalk / LCD	20-5-22
Week 13	L25	Law of Unfair Competition – Trade Secret Litigation	Chalk / LCD	21-5-22
	UNIT VI	Cyber Law and Cyber Crime		
	L26	Information Technology Act 2000, E-commerce - Data Security	Chalk / LCD	27-5-22
	L27	Confidentiality - Privacy - Digital Signatures	Chalk / LCD	28-5-22
	L28	Prevention and Punishment – Liability of Network Providers	Chalk / LCD	28-5-22


Signature of the Faculty:


Signature of the HoD:
Head of the Department
Master of Business Administration
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DEPARTMENT OF MANAGEMENT STUDIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	IPR & Patents	III-II ECE-B	Ms M Dimple Assistant Professor	58	28	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Introduction to Intellectual Property Rights (IPR)		
Week 1	L1	Concept of Property - Introduction to IPR	Chalk / LCD	16-2-22
	L2	International Instruments and IPR - WIPO - TRIPS – WTO	Chalk / LCD	18-2-22
Week 2	L3	IPR Tool Kit - Protection and Regulation - Copyrights	Chalk / LCD	23-2-22
	L4	Industrial Property – Patents	Chalk / LCD	25-2-22
Week 3	L5	Traditional Knowledge –Emerging Areas of IPR	Chalk / LCD	3-3-22
	L6	Use and Misuse of Intellectual Property Rights	Chalk / LCD	4-3-22
UNIT II		Copyrights and Neighboring Rights		
Week 4	L7	Principles of Copyright Protection – Law Relating to Copyrights	Chalk / LCD	9-3-22
	L8	Subject Matters of Copyright	Chalk / LCD	11-3-22
Week 5	L9	Right to Prepare Derivative Works	Chalk / LCD	16-3-22
	L10	Copyright Registration – Limitations	Chalk / LCD	23-3-22
Week 6	L11	Infringement of Copyright – Relief and Remedy	Chalk / LCD	25-3-22
	L12	Semiconductor Chip Protection Act.	Chalk / LCD	29-3-22
UNIT III		Patents		
Week 7	L13	Introduction to Patents - Laws Relating to Patents in India	Chalk / LCD	1-4-22
	L14	Patent Requirements – Product Patent and Process Patent	Chalk / LCD	12-4-22
Week 8	L15	Patent Registration and Granting of Patent	Chalk / LCD	19-4-22
	L16	Exclusive Rights – Limitations - Ownership	Chalk / LCD	22-4-22
Week 9	L17	Patent Cooperation Treaty – New developments in Patents	Chalk / LCD	26-4-22
	L18	Software Protection and Computer related Innovations.	Chalk / LCD	29-4-22



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UNIT IV		Trademarks		
Week 10	L19	Laws Relating to Trademarks – Functions of Trademark	Chalk / LCD	3-5-22
	L20	Marks Covered under Trademark Law - Trade Mark Registration	Chalk / LCD	6-5-22
Week 11	L21	Transfer of rights - Deceptive Similarities	Chalk / LCD	11-5-22
	L22	Trademarks Claims and Infringement – Remedies – Passing Off Action.	Chalk / LCD	13-5-22
UNIT V		Trade Secrets		
Week 12	L23	General Principles - Laws Relating to Trade Secrets	Chalk / LCD	
	L24	Employee Access Limitation – Employee Confidentiality Agreements	Chalk / LCD	18-5-22
Week 13	L25	Law of Unfair Competition – Trade Secret Litigation	Chalk / LCD	20-5-22
	UNIT VI	Cyber Law and Cyber Crime	Chalk / LCD	
	L26	Information Technology Act 2000, E-commerce - Data Security	Chalk / LCD	24-5-22
	L27	Confidentiality - Privacy - Digital Signatures	Chalk / LCD	25-5-22
	L28	Prevention and Punishment – Liability of Network Providers	Chalk / LCD	27-5-22


Signature of the Faculty:


Signature of the HoD:

Head of the Department
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CLASS TIME TABLE AY -2021-22

CLASS: II BTECH I SEM

CSE-AI & ML

DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:20	2:20-3:30	3:30-4:20
MON	MFCS	M-III	AI&ML	LUNCH	OOPS	DBMS	MAD	LIBRARY
TUE	AI&ML	MFCS	M-III		MAD	DBMS LAB		
WED	OOPS LAB				OOPS	M-III	DBMS	EITK
THU	AI&ML	OOPS	MFCS		MAD	AI&ML LAB		
FRI	MFCS	MAD	M-III		OOPS	AI&ML	EITK	DBMS
SAT	DBMS	AI&ML	M-III		MAD	DBMS		SPORTS

S.NO.	NAME OF THE FACULTY	DESIGNATION	SUBJECT NAME	DEPARTMENT
1	K T Daniel Mohan	Assistant Professor	M-III	BS&H
2	G. Chinnaya	Assistant Professor	MFCS	CSE
3	T.V.Prasad	Associate Professor	AI&ML	CSE
4	M.Sangita	Assistant Professor	OPPS	CSE
5	K.Hymavathi	Assistant Professor	DBMS	CSE
6	V.Sarada	Assistant Professor	MAD	CSE
7	T.V.Prasad	Assistant Professor	AI&ML LAB	CSE
8	M.Sangita	Assistant Professor	OOPS LAB	CSE
9	K.Hymavathi	Assistant Professor	DBMS LAB	CSE
10	T.Goweri shenkar	Assistant Professor	EITK	MBA

HOD-CSE

Head of the Department
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CLASS TIME TABLE AY -2021-22

CLASS: II BTECH I SEM

CSE-DS

DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:20	2:20-3:30	3:30-4:20
MON	OOPS	DBMS	MAD	LUNCH	MFCS	M-III	AI&ML	LIBRARY
TUE	OOPS	M-III	DBMS		EITK	OOPS LAB		
WED	AI&ML	MFCS	M-III		MFCS	AI&ML	M-III	SPORTS
THU	MFCS	MAD	M-III		EITK	DBMS LAB		
FRI	AI&ML	OOPS	MFCS		OOPS	DBMS	EMPLOYABILITY SKILLS	
SAT	MAD	DBMS	OOPS		DBMS	AI&ML LAB		

S.NO.	NAME OF THE FACULTY	DESIGNATION	SUBJECT NAME	DEPARTMENT
1	K.T.Daniel Mohan	Assistant Professor	M-III	BS&H
2	Dr.G.Chinna Rao	Associate Professor	MFCS	CSE
3	A. Vasudeva Rao	Assistant Professor	AI&ML	CSE
4	M.Sangita	Assistant Professor	OPPS	CSE
5	K.Hymavathi	Assistant Professor	DBMS	CSE
6	V.Sarada	Assistant Professor	MAD	CSE
7	A. Vasudeva Rao	Assistant Professor	AI&ML LAB	CSE
8	M.Sangita	Assistant Professor	OOPS LAB	CSE
9	K.Hymavathi	Assistant Professor	DBMS LAB	CSE
10	M.Dimple	Assistant Professor	EITK	MBA


HOD-CSE

Head of the Department
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING CLASS TIME TABLE AY :2021-2022

CLASS:III B.Tech- I SEM
SEC-A

w.e.f: 01-10-2021

Class Incharge: Mr G.Venkata Santosh								
DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MON	MPMC	EMI	LICA	L U N C H	SCT&PP	EMI	EMI	DC
TUE	LICA	MPMC	SCT&PP		Library	LICA/MPMC Lab		
WED	MPMC/DC Lab				DC	Tutorial Classes		
THU	SCT&PP	MPMC	LICA		DC	LICA/DC Lab		
FRI	DC	EMI	SCT&PP		Essence of ITA		DC	Mini Project
SAT	EMI	MPMC	DC		SCT&PP	LICA	CRT	Sports

S.NO.	NAME OF THE FACULTY	DESIGNATION	SUBJECT/LAB	DEPARTMENT
1	Mr V.Siva Bhaskara Rao	AssocProf& HOD	Linear IC Applications	ECE
2	Mrs G.Roja	Asst Prof	Microprocessors and Micro controllers	ECE
3	Mr G.Venkata Santosh	Asst Prof	Digital Communications	ECE
4	Mrs P.Prabhavathi	Asst Prof	Electronic Measurements and Instrumentation	ECE
5	Mrs Ch.Sravanthi	Asst Prof	Soft Computing Techniques and Python Programming	CSE
6	Mrs K.Swetha/ Mr D.Rahul	Asst Prof	Linear IC Applications Lab	ECE
7	Mrs U.GeethaLakshmi/ Mrs R.Padma	Asst Prof	Digital Communications Lab	ECE
8	Mrs K.Syamala/ Mr P.Syam Kumar	Asst Prof	Microprocessors and Micro controllers Lab	ECE
9	Mr S.Daya Sagar	Asst Prof	Mini Project with Hardware Development	ECE
10	Mrs.N.Santhoshi	Asst Prof	Essence of Indian Traditional Knowledge	BS&H
11	Mrs.CH.Chandra sekhar	Asst Prof	CRT	Training and Placement Cell

HOD-ECE

Head of the Department
Electronics & Communication Engineering
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING CLASS TIME TABLE AY :2021-2022

CLASS:III B.Tech- I SEM
SEC-B

w.e.f: 01-10-2021

Class Incharge:Mr K.Swetha								
DAY/TIME	9:30-10:30	10:30-11:20	11:20-12:10	12:10-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
MON	MPMC	EMI	LICA	L U N C H	SCT&PP	EMI	EMI	DC
TUE	LICA	EMI	SCT&PP		DC	LICA/MPMC Lab		
WED	MPMC/DC Lab				DC	EMI	MPMC	Sports
THU	SCT&PP	MPMC	LICA		Library	DC/LICA Lab		
FRI	DC	EMI	SCT&PP		CRT	DC	Essence of ITA	
SAT	Tutorial Classes				SCT&PP	LICA	CRT	Mini Project

S.NO.	NAME OF THE FACULTY	DESIGNATION	SUBJECT/LAB	DEPARTMENT
1	Mr R.Shiva	Asst Prof	Linear IC Applications	ECE
2	Mrs K.Swetha	Asst Prof	Microprocessors and Micro controllers	ECE
3	Mr Ch.Sri Ramulu	Asst Prof	Digital Communications	ECE
4	Mrs S.S.Bhavani	Asst Prof	Electronic Measurements and Instrumentation	ECE
5	Mr T.Paramesh	Asst Prof	Soft Computing Techniques and Python Programming	CSE
6	Mr S.Daya Sagar/ Mr M.Ramesh	Asst Prof	Linear IC Applications Lab	ECE
7	Mr M.Vinay Kumar/ Mr P.Santosh Kumar	Asst Prof	Digital Communications Lab	ECE
8	Mr Ch.Sri Ramulu/ Mr P.Syam Kumar	Asst Prof	Microprocessors and Micro controllers Lab	ECE
9	Mr S.Daya Sagar	Asst Prof	Mini Project with Hardware Development	ECE
10	Mrs.G.Sunitha rani	Asst Prof	Essence of Indian Traditional Knowledge	BS&H
11	Mrs N.Rajani	Asst Prof	CRT	Training and Placement Cell


HOD-ECE

Head of the Department

Electronics & Communication Engineering
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

COURSE STRUCTURE AND SYLLABUS

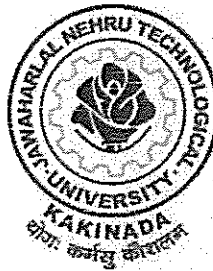
For UG – R20

B. Tech - COMPUTER SCIENCE AND ENGINEERING with Specialization

Common to

- (i) **CSE (ARTIFICIAL INTELLIGENCE and MACHINE LEARNING)-Branch Code:42**
- (ii) **ARTIFICIAL INTELLIGENCE and MACHINE LEARNING - Branch Code: 61**

(Applicable for batches admitted from 2020-2021)



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KAKINADA - 533 003, Andhra Pradesh, India



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KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

II Year – I SEMESTER						
S. No	Course Code	Courses	L	T	P	Credits
1	BS	Mathematics III	3	0	0	3
2	CS	Mathematical Foundations of Computer Science	3	0	0	3
3	CS	Introduction to Artificial Intelligence and Machine Learning	3	0	0	3
4	CS	Object Oriented Programming with Java	3	0	0	3
5	CS	Database Management Systems	3	0	0	3
6	CS	Introduction to Artificial Intelligence and Machine Learning Lab	0	0	3	1.5
7	CS	Object Oriented Programming with Java Lab	0	0	3	1.5
8	CS	Database Management Systems Lab	0	0	3	1.5
9	SO	Mobile App Development	0	0	4	2
10	MC	Essence of Indian Traditional Knowledge	2	0	0	0
Total Credits						21.5

II Year – II SEMESTER						
S. No	Course Code	Courses	L	T	P	Credits
1	BS	Probability and Statistics	3	0	0	3
2	CS	Computer Organization	3	0	0	3
3	CS	Data Warehousing and Mining	3	0	0	3
4	ES	Formal Languages and Automata Theory	3	0	0	3
5	HS	Managerial Economics and Financial Accountancy	3	0	0	3
6	CS	R Programming Lab	0	0	3	1.5
7	CS	Data Mining using Python Lab	0	0	3	1.5
8	ES	Web Application Development Lab	0	0	3	1.5
9	SO	Natural Language Processing with Python	0	0	4	2
Total Credits						21.5
10	Minor	Introduction to Artificial Intelligence and Machine Learning [§]	3	0	2	4

§- Integrated Course



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DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

II Year - I Semester	L	T	P	C
	2	0	0	0
ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE				

Course Objectives:

- The course aims at imparting basic principles of thought process, reasoning and inferencing. Sustainability is at the core of Indian Traditional Knowledge Systems connecting society and nature.
- Holistic life style of Yogic-science and wisdom capsules in Sanskrit literature are also important in modern society with rapid technological advancements and societal disruptions.
- The course focuses on introduction to Indian Knowledge System, Indian perspective of modern scientific world-view and basic principles of Yoga and holistic health care system

Course Outcomes:

Upon successful completion of the course, the student will be able to:

- Understand the significance of Indian Traditional Knowledge
- Classify the Indian Traditional Knowledge
- Compare Modern Science with Indian Traditional Knowledge system.
- Analyze the role of Government in protecting the Traditional Knowledge
- Understand the impact of Philosophical tradition on Indian Knowledge System.

Unit I

Introduction to Traditional Knowledge: Define Traditional Knowledge- Nature and Characteristics- Scope and Importance- kinds of Traditional Knowledge- The historical impact of social change on Traditional Knowledge Systems- Value of Traditional knowledge in global economy.

Unit II

Basic structure of Indian Knowledge System: Astadash Vidya- 4 Ved - 4 Upaved (Ayurved, Dhanurved, Gandharva Ved & Sthapthya Adi), 6 vedanga (Shisha, Kalppa, Nirukha, Vyakaran, Jyothisha & Chand), 4 upanga (Dharmashastra, Meemamsa, purana & Tharka Shastra).

Unit III

Modern Science and Indian Knowledge System-Indigenous Knowledge, Characteristics- Yoga and Holistic Health care-cases studies.

Unit IV

Protection of Traditional Knowledge: The need for protecting traditional knowledge -Significance of Traditional knowledge Protection-Role of government to harness Traditional Knowledge.

Unit V

Impact of Traditions: Philosophical Tradition (Sarvadarshan) Nyaya, Vyshepec, Sankhya, Yog, Meemamsa, Vedantha, Chavanka, Jain & Boudh - Indian Artistic Tradition - Chitrakala, Moorthikala, Vasthukala, Sthapthya, Sangeetha, Nruthya Yevam Sahithya



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Reference Books :

1. Traditional Knowledge System in India, by AmitJha, 2009.
2. Traditional Knowledge System and Technology in India by Basanta Kumar Mohanta and Vipin Kumar Singh, PratibhaPrakashan 2012.
3. Sivaramakrishnan (Ed.), Cultural Heritage of India-course material, Bharatiya Vidya
4. Swami Jitatmanand, Holistic Science and Vedant, Bharatiya Vidya Bhavan
5. Yoga Sutra of Patanjali, Ramakrishna Mission, Kolkata.
6. Pramod Chandra, India Arts, Howard Univ. Press, 1983.
7. Krishna Chaitanya, Arts of India, Abhinav Publications, 1987.

Web Resources:

1. https://www.wipo.int/wipo_magazine/en/2017/01/article_0004.html
2. <http://iks.iitgn.ac.in/wp-content/uploads/2016/01/Indian-Knowledge-Systems-Kapil-Kapoor.pdf>
3. https://www.wipo.int/edocs/mdocs/tk/en/wipo_grtkf_ic_21/wipo_grtkf_ic_21_ref_facilitators_text.pdf




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Bhogapuram (M),
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DEPARTMENT OF MANGEMENT STUDIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	Essence of Indian Traditional Knowledge	II-I CSM	T Gowri Sankar Assistant Professor	59	39	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I				
		Introduction to traditional knowledge		
Week 1	L1	Define traditional knowledge,	Chalk / LCD	6-10-21
	L2	Define traditional nature and characteristics	Chalk / LCD	7-10-21
	L3	scope and importance	Chalk / LCD	8-10-21
Week 2	L4	kinds of traditional knowledge	Chalk / LCD	13-10-21
	L5	the physical and social contexts in which traditional knowledge develop	Chalk / LCD	14-10-21
	L6	he historical impact of social change on traditional knowledge system	Chalk / LCD	15-10-21
Week 3	L7	he historical impact of social change on traditional knowledge system	Chalk / LCD	20-10-21
	L8	Indigenous Knowledge (IK), characteristics, traditional knowledge vis-à-vis indigenous knowledge	Chalk / LCD	21-10-21
	L9	traditional knowledge Vs western knowledge traditional knowledge vis-à-vis formal knowledge	Chalk / LCD	22-10-21
UNIT II				
		Protection of traditional knowledge		
Week 4	L10	The need for protecting traditional knowledge	Chalk / LCD	27-10-21
	L11	Significance of TK Protection	Chalk / LCD	29-10-21
	L12	value of TK in global economy,	Chalk / LCD	3-11-21
Week 5	L13	Role of Government to harness TK	Chalk / LCD	4-11-21
	L14	Significance global economy	Chalk / LCD	5-11-21
	L15	Harnessing TK	Chalk / LCD	10-11-21
Week 6	L16	Analyze the value of tk in global economy	Chalk / LCD	11-11-21
	L17	role of government	Chalk / LCD	12-1-21
	L18	Significance of tk protection.	Chalk / LCD	17-11-21
UNIT III				
		Legal framework and TK		



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Week 7	L19	Scheduled Tribes and Other Traditional Forest Dwellers	Chalk / LCD	18-11-21
	L20	Plant Varieties Protection	Chalk / LCD	19-11-21
	L21	Farmers Rights Act,		1-12-21
Week 8	L22	The Biological Diversity Act 2002	Chalk / LCD	2-12-21
	L23	the protection of traditional knowledge bill,	Chalk / LCD	3-12-21
	L24	Geographical indications act 2003	Chalk / LCD	8-12-21
Week 9	L25	legal framework of TK	Chalk / LCD	9-12-21
	L26	other traditional forest dwellers	Chalk / LCD	10-12-21
	L27	plant variant protections	Chalk / LCD	15-12-21
UNIT IV		Traditional knowledge and intellectual property:		
Week 10	L28	Systems of traditional knowledge protection	Chalk / LCD	17-12-21
	L29	Legal concepts for the protection of traditional knowledge	Chalk / LCD	22-12-21
	L30	Certain non IPR mechanisms	Chalk / LCD	23-12-21
Week 11	L31	traditional knowledge protection,	Chalk / LCD	29-12-21
	L32	Patents and traditional knowledge, Strategies to increase protection of traditional knowledge	Chalk / LCD	30-12-21
	L33	global legal FORA for increasing protection of Indian Traditional Knowledge.	Chalk / LCD	5-1-22
UNIT V		Traditional knowledge in different sectors		
Week 12	L34	Traditional knowledge and engineering	Chalk / LCD	6-1-22
	L35	Traditional medicine system, TK	Chalk / LCD	7-1-22
	L36	and biotechnology, TK in agriculture, Traditional societies depend on it for their food and healthcare needs	Chalk / LCD	19-1-22
Week 13	L37	Importance of conservation	Chalk / LCD	21-1-22
	L38	sustainable development of environment	Chalk / LCD	28-1-22
	L39	Management of biodiversity, Food security of the country and protection of TK	Chalk / LCD	3-2-22

Signature of the Faculty:

Ganes'

Signature of the HoD:

Head of the Department
Master of Business Administration
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Bhogapuram (Ni), Vizianagaram (Dist) -531162

J. Sai Prasanth



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DEPARTMENT OF MANAGEMENT STUDIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	Essence of Indian Traditional Knowledge	II-I CSD	M.Dimple Assistant Professor	50	39	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Introduction to traditional knowledge		
Week 1	L1	Define traditional knowledge,	Chalk / LCD	4-10-21
	L2	Define traditional nature and characteristics	Chalk / LCD	5-10-21
	L3	scope and importance	Chalk / LCD	6-10-21
Week 2	L4	kinds of traditional knowledge	Chalk / LCD	11-10-21
	L5	the physical and social contexts in which traditional knowledge develop	Chalk / LCD	12-10-21
	L6	the historical impact of social change on traditional knowledge system	Chalk / LCD	13-10-21
Week 3	L7	the historical impact of social change on traditional knowledge system	Chalk / LCD	18-10-21
	L8	Indigenous Knowledge (IK), characteristics, traditional knowledge vis-à-vis indigenous knowledge	Chalk / LCD	19-10-21
	L9	traditional knowledge Vs western knowledge traditional knowledge vis-à-vis formal knowledge	Chalk / LCD	20-10-21
UNIT II		Protection of traditional knowledge		
Week 4	L10	The need for protecting traditional knowledge	Chalk / LCD	25-10-21
	L11	Significance of TK Protection	Chalk / LCD	26-10-21
	L12	value of TK in global economy,	Chalk / LCD	27-10-21
Week 5	L13	Role of Government to harness TK	Chalk / LCD	1-11-21
	L14	Significance global economy	Chalk / LCD	2-11-21
	L15	Harnessing TK	Chalk / LCD	3-11-21
Week 6	L16	Analyze the value of tk in global economy	Chalk / LCD	8-11-21



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	L17	role of government	Chalk / LCD	9-11-21
	L18	Significance of tk protection.	Chalk / LCD	10-11-21
UNIT III		Legal framework and TK		
Week 7	L19	he Scheduled Tribes and Other Traditional Forest Dwellers	Chalk / LCD	15-11-21
	L20	Plant Varieties Protection	Chalk / LCD	16-11-21
	L21	Farmers Rights Act,		17-11-21
Week 8	L22	The Biological Diversity Act 2002	Chalk / LCD	22-11-21
	L23	he protection of traditional knowledge bill,	Chalk / LCD	23-11-21
	L24	Geographical indications act 2003	Chalk / LCD	29-11-21
Week 9	L25	legal framework of TK	Chalk / LCD	30-11-21
	L26	other traditional forest dwellers	Chalk / LCD	1-12-21
	L27	plant variant protections	Chalk / LCD	6-12-21
UNIT IV		Traditional knowledge and intellectual property:		
Week 10	L28	Systems of traditional knowledge protection	Chalk / LCD	8-12-21
	L29	Legal concepts for the protection of traditional knowledge	Chalk / LCD	13-12-21
	L30	Certain non IPR mechanisms	Chalk / LCD	14-12-21
Week 11	L31	traditional knowledge protection,	Chalk / LCD	15-12-21
	L32	Patents and traditional knowledge, Strategi to increase protection of traditional knowledge	Chalk / LCD	20-12-21
	L33	global legal FORA for increasing protection of Indian Traditional Knowledge.	Chalk / LCD	21-12-21
UNIT V		Traditional knowledge in different sectors		
Week 12	L34	Traditional knowledge and engineering	Chalk / LCD	27-12-21
	L35	Traditional medicine system, TK	Chalk / LCD	28-12-21
	L36	and biotechnology, TK in agriculture, Traditional societies depend on it for their food and healthcare needs	Chalk / LCD	3-1-22
Week 13	L37	Importance of conservation	Chalk / LCD	10-1-22
	L38	sustainable development of environment	Chalk / LCD	17-1-22
	L39	Management of biodiversity, Food security the country and protection of TK	Chalk / LCD	24-1-22

M. Dimple

Signature of the Faculty:

V. Sri Prasad

Signature of the HoD:

Head of the Department

Master of Business Administration
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DEPARTMENT OF BASIC SCIENCE & HUMANITIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	Essence of Indian Traditional Knowledge	III-I ECE-A	Mrs N Santoshi Asst.Prof.	54	39	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I		Introduction to traditional knowledge		
Week 1	L1	Define traditional knowledge,	Chalk / LCD	6-10-21
	L2	Define traditional nature and characteristics	Chalk / LCD	7-10-21
	L3	scope and importance	Chalk / LCD	8-10-21
Week 2	L4	kinds of traditional knowledge	Chalk / LCD	13-10-21
	L5	the physical and social contexts in which traditional knowledge develop	Chalk / LCD	14-10-21
	L6	the historical impact of social change on traditional knowledge system	Chalk / LCD	15-10-21
Week 3	L7	the historical impact of social change on traditional knowledge system	Chalk / LCD	20-10-21
	L8	Indigenous Knowledge (IK), characteristics, traditional knowledge vis-à-vis indigenous knowledge	Chalk / LCD	21-10-21
	L9	traditional knowledge Vs western knowledge traditional knowledge vis-à-vis formal knowledge	Chalk / LCD	22-10-21
UNIT II		Protection of traditional knowledge		
Week 4	L10	The need for protecting traditional knowledge	Chalk / LCD	27-10-21
	L11	Significance of TK Protection	Chalk / LCD	29-10-21
	L12	value of TK in global economy,	Chalk / LCD	3-11-21
Week 5	L13	Role of Government to harness TK	Chalk / LCD	4-11-21
	L14	Significance global economy	Chalk / LCD	5-11-21
	L15	Harnessing TK	Chalk / LCD	10-11-21
Week 6	L16	Analyze the value of tk in global economy	Chalk / LCD	11-11-21
	L17	role of government	Chalk / LCD	12-1-21
	L18	Significance of tk protection.	Chalk / LCD	17-11-21



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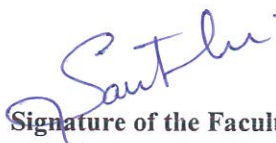
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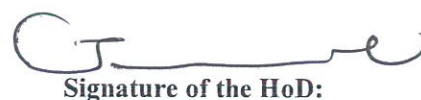
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UNIT III		Legal framework and TK		
Week 7	L19	he Scheduled Tribes and Other Traditional Forest Dwellers	Chalk / LCD	18-11-21
	L20	Plant Varieties Protection	Chalk / LCD	19-11-21
	L21	Farmers Rights Act,		1-12-21
Week 8	L22	The Biological Diversity Act 2002	Chalk / LCD	2-12-21
	L23	he protection of traditional knowledge bill,	Chalk / LCD	3-12-21
	L24	Geographical indications act 2003	Chalk / LCD	8-12-21
Week 9	L25	legal framework of TK	Chalk / LCD	9-12-21
	L26	other traditional forest dwellers	Chalk / LCD	10-12-21
	L27	plant variant protections	Chalk / LCD	15-12-21
UNIT IV		Traditional knowledge and intellectual property		
Week 10	L28	Systems of traditional knowledge protection	Chalk / LCD	17-12-21
	L29	Legal concepts for the protection of traditional knowledge	Chalk / LCD	22-12-21
	L30	Certain non IPR mechanisms	Chalk / LCD	23-12-21
Week 11	L31	traditional knowledge protection,	Chalk / LCD	29-12-21
	L32	Patents and traditional knowledge, Strategies to increase protection of traditional knowledge	Chalk / LCD	30-12-21
	L33	global legal FORA for increasing protection of Indian Traditional Knowledge.	Chalk / LCD	5-1-22
UNIT V		Traditional knowledge in different sectors		
Week 12	L34	Traditional knowledge and engineering	Chalk / LCD	6-1-22
	L35	Traditional medicine system, TK	Chalk / LCD	7-1-22
	L36	and biotechnology, TK in agriculture, Traditional societies depend on it for their food and healthcare needs	Chalk / LCD	10-1-22
Week 13	L37	Importance of conservation	Chalk / LCD	11-1-22
	L38	sustainable development of environment	Chalk / LCD	12-1-22
	L39	Management of biodiversity, Food security of the country and protection of TK	Chalk / LCD	13-1-22


Signature of the Faculty:


Signature of the HoD:

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DEPARTMENT OF BASIC SCIENCE & HUMANITIES

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Course Code	Course Title	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods / Semester / Year	
					Lectures	Tutorials
MC	Essence of Indian Traditional Knowledge	III-I ECE-B	Mrs G Suneetha Rani Asst.Prof.	58	39	00

Week No	Lecture No.	Topic to be covered	Teaching Aid	Date on which completed*
UNIT I				
Introduction to traditional knowledge				
Week 1	L1	Define traditional knowledge,	Chalk / LCD	4-10-21
	L2	Define traditional nature and characteristics	Chalk / LCD	5-10-21
	L3	scope and importance	Chalk / LCD	6-10-21
Week 2	L4	kinds of traditional knowledge	Chalk / LCD	11-10-21
	L5	the physical and social contexts in which traditional knowledge develop	Chalk / LCD	12-10-21
	L6	he historical impact of social change on traditional knowledge system	Chalk / LCD	13-10-21
Week 3	L7	he historical impact of social change on traditional knowledge system	Chalk / LCD	18-10-21
	L8	Indigenous Knowledge (IK), characteristics, traditional knowledge vis-à-vis indigenous knowledge	Chalk / LCD	19-10-21
	L9	traditional knowledge Vs western knowledge traditional knowledge vis-à-vis formal knowledge	Chalk / LCD	20-10-21
UNIT II				
Protection of traditional knowledge				
Week 4	L10	The need for protecting traditional knowledge	Chalk / LCD	25-10-21
	L11	Significance of TK Protection	Chalk / LCD	26-10-21
	L12	value of TK in global economy,	Chalk / LCD	27-10-21
Week 5	L13	Role of Government to harness TK	Chalk / LCD	1-11-21
	L14	Significance global economy	Chalk / LCD	2-11-21
	L15	Harnessing TK	Chalk / LCD	3-11-21
Week 6	L16	Analyze the value of tk in global economy	Chalk / LCD	8-11-21
	L17	role of government	Chalk / LCD	9-11-21



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	L18	Significance of tk protection.	Chalk / LCD	10-11-21
UNIT III		Legal framework and TK		
Week 7	L19	he Scheduled Tribes and Other Traditional Forest Dwellers	Chalk / LCD	15-11-21
	L20	Plant Varieties Protection	Chalk / LCD	16-11-21
	L21	Farmers Rights Act,		17-11-21
Week 8	L22	The Biological Diversity Act 2002	Chalk / LCD	22-11-21
	L23	he protection of traditional knowledge bill,	Chalk / LCD	23-11-21
	L24	Geographical indications act 2003	Chalk / LCD	29-11-21
Week 9	L25	legal framework of TK	Chalk / LCD	30-11-21
	L26	other traditional forest dwellers	Chalk / LCD	1-12-21
	L27	plant variant protections	Chalk / LCD	6-12-21
UNIT IV		Traditional knowledge and intellectual property		
Week 10	L28	Systems of traditional knowledge protection	Chalk / LCD	8 12 21
	L29	Legal concepts for the protection of traditional knowledge	Chalk / LCD	13-12-21
	L30	Certain non IPR mechanisms	Chalk / LCD	14-12-21
Week 11	L31	traditional knowledge protection,	Chalk / LCD	15-12-21
	L32	Patents and traditional knowledge, Strategies increase protection of traditional knowledge	Chalk / LCD	20-12-21
	L33	global legal FORA for increasing protection of Indian Traditional Knowledge.	Chalk / LCD	21-12-21
UNIT V		Traditional knowledge in different sectors		
Week 12	L34	Traditional knowledge and engineering	Chalk / LCD	27-12-21
	L35	Traditional medicine system, TK	Chalk / LCD	28-12-21
	L36	and biotechnology, TK in agriculture, Traditional societies depend on it for their food and healthcare needs	Chalk / LCD	3-1-22
Week 13	L37	Importance of conservation	Chalk / LCD	10-1-22
	L38	sustainable development of environment	Chalk / LCD	11-1-22
	L39	Management of biodiversity, Food security of the country and protection of TK	Chalk / LCD	12-1-22


Signature of the Faculty:


Signature of the HoD:

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