



G H RAISONI COLLEGE OF ENGINEERING NAGPUR

(An Autonomous Institute affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

CRPF Gate No.3, Hingna Road, Digdoh Hills, Nagpur. Maharashtra-440016 (India)

Course wise Teaching Plan for Session : Summer 2017

Course : Theory Of Computation

Faculty : Ms. Nisha Shivcharan Raote

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Sets, relations, functions and graphs examples	12/08/2016	BCSL301	A
1	1	Objective of TOC, Applications, Uses, TAE parameter discussion.	05/12/2016	BCSL301	A
1	2	Introduction to TOC and Basic concepts.	06/12/2016	BCSL301	A
1	3	Mathematical preliminaries – Sets, operations, relations, strings, transitive closure.	08/12/2016	BCSL301	A
1	4	Induction and proof methods- pigeon-hole principle.	09/12/2016	BCSL301	A
1	5	Finite State machine, regular languages.	12/12/2016	BCSL301	A
1	6	Deterministic finite automata, conversion to deterministic automata,	13/12/2016	BCSL301	A
1	7	Conversion to deterministic automata and its examples.	15/12/2016	BCSL301	A
1	8	E-closures – regular expressions.	16/12/2016	BCSL301	A
1	9	Finite automata.	19/12/2016	BCSL301	A
1	10	Minimization of automata.	20/12/2016	BCSL301	A
1	11	Moore and Mealy machine and their equivalence.	22/12/2016	BCSL301	A
1	12	Examples & Revision.	23/12/2016	BCSL301	A
2	13	Pumping lemma for regular sets.	02/01/2017	BCSL301	A
2	14	Closure properties of regular sets- decision properties for regular sets.	03/01/2017	BCSL301	A
2	15	Equivalence between regular language and regular grammar.	05/01/2017	BCSL301	A
1	17	Revision	06/01/2017	BCSL301	A
2	16	Concept of language – grammars and production rules.	12/01/2017	BCSL301	A
2	18	Context free languages with example.	13/01/2017	BCSL301	A
2	19	Parse trees and ambiguity of grammar.	16/01/2017	BCSL301	A



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Course : Theory Of Computation

Faculty : Ms. Nisha Shivcharan Raote

Unit	Topic Code	Topic Covered	Date	Course	Section
5	32	Revisions.	16/01/2017	BCSL301	A
3	20	Reduction of CFGs.	17/01/2017	BCSL301	A
3	21	Chomsky Normal Forms.	19/01/2017	BCSL301	A
3	22	Griebach Normal Forms.	20/01/2017	BCSL301	A
3	23	Push – down Automata (PDA).	23/01/2017	BCSL301	A
4	24	Acceptance by two methods and their equivalence.	24/01/2017	BCSL301	A
4	25	Conversion of PDA to CFG CFLs.	27/01/2017	BCSL301	A
4	26	.PDAs- closure and decision properties of CFLs.	30/01/2017	BCSL301	A
1	27	Turing machines – variants.	31/01/2017	BCSL301	A
5	28	Recursively enumerable, recursive sets.	02/02/2017	BCSL301	A
4	7	Grammar types, Normal forms of Grammar	03/02/2017	BCSL301	A
5	29	TM as computer of function.	03/02/2017	BCSL301	A
5	30	Decidability and solvability.	13/02/2017	BCSL301	A
5	31	Examples on TM.	14/02/2017	BCSL301	A
5	33	Halting Problem, reductions , Post correspondence Problem (PCP).	17/02/2017	BCSL301	A
6	34	Church's hypothesis, Introduction to recursive function theory – primitive recursive.	20/02/2017	BCSL301	A
6	35	Partial recursive functions, Parsing: top down and bottom up approach, derivation and reduction.	21/02/2017	BCSL301	A
6	36	Partial recursive functions, Parsing: top down and bottom up approach, derivation and reduction.	23/02/2017	BCSL301	A
6	37	Partial recursive functions, Parsing: top down and bottom up approach, derivation and reduction.	24/02/2017	BCSL301	A



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Course : Theory Of Computation

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Unit	Topic Code	Topic Covered	Date	Course	Section
6	38	Partial recursive functions, Parsing: top down and bottom up approach, derivation and reduction.	27/02/2017	BCSL301	A
6	39	Revision	02/03/2017	BCSL301	A
6	40	Revision	06/03/2017	BCSL301	A
6	41	Revision	09/03/2017	BCSL301	A
6	42	Revision	10/03/2017	BCSL301	A
6	43	Advanced Topic	20/03/2017	BCSL301	A
6	44	Advanced Topic	27/03/2017	BCSL301	A
2	4	Non- Deterministic Finite Automata	01/05/2017	BCSL301	A
4	8	Pumping Lemma, Examples	03/09/2017	BCSL301	A
3	5	NFA to DFA conversions	01/12/2017	BCSL301	A



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Course wise Teaching Plan for Session : Summer 2017

Course : Design & Analysis of Algorithms

Faculty : P S Jain

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Introduction to arithmetic and geometric series	05/12/2016	BCSL404	A
1	2	Bounding summation using integration	06/12/2016	BCSL404	A
1	1	Problems on Recurrence Relation	09/12/2016	BCSL404	A
1	3	Recurrence relation	09/12/2016	BCSL404	A
1	4	Characteristic equation and generating function	12/12/2016	BCSL404	A
1	5	Complexity calculation of various standard functions	13/12/2016	BCSL404	A
1	2	Problems on Asymptotic Notations	16/12/2016	BCSL404	A
1	6	Principles of designing algorithms	16/12/2016	BCSL404	A
2	7	Introduction to asymptotic notation of analysis of algorithms	19/12/2016	BCSL404	A
2	8	Analyzing control structures	20/12/2016	BCSL404	A
2	3	Divide and conquer basic strategy	23/12/2016	BCSL404	A
2	9	Worst case and average case analysis	23/12/2016	BCSL404	A
2	10	Amortized analysis	02/01/2017	BCSL404	A
2	11	Application of amortized analysis	03/01/2017	BCSL404	A
2	4	Matrix operation, Binary search	06/01/2017	BCSL404	A
2	12	Sorting networks, comparison networks	06/01/2017	BCSL404	A
3	5	Quick sort, Merge sort	13/01/2017	BCSL404	A
2	13	Biotonic sorting network	13/01/2017	BCSL404	A
3	14	Introduction to advanced data structure- Fibonacci heap	16/01/2017	BCSL404	A
3	15	Disjoint set representation	17/01/2017	BCSL404	A
3	6	Greedy method- basic strategy	20/01/2017	BCSL404	A
3	16	Red and black tree and applications	20/01/2017	BCSL404	A



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Course wise Teaching Plan for Session : Summer 2017

Course : Design & Analysis of Algorithms

Faculty : P S Jain

Unit	Topic Code	Topic Covered	Date	Course	Section
3	17	Divide and conquer basic strategy	23/01/2017	BCSL404	A
3	18	Matrix operation, Binary search	24/01/2017	BCSL404	A
4	7	Greedy method- basic strategy	27/01/2017	BCSL404	A
3	19	Quick sort, Merge sort	27/01/2017	BCSL404	A
3	20	Fast Fourier Transform	30/01/2017	BCSL404	A
4	21	Greedy method- basic strategy	31/01/2017	BCSL404	A
4	8	Minimum cost spanning trees	03/02/2017	BCSL404	A
4	22	Application to job sequencing with deadlines problem	03/02/2017	BCSL404	A
4	23	Minimum cost spanning trees	06/02/2017	BCSL404	A
4	24	Single source shortest path using greedy method	07/02/2017	BCSL404	A
4	25	Introduction to dynamic programming	13/02/2017	BCSL404	A
4	26	Basic strategy, Multistage graph	14/02/2017	BCSL404	A
4	9	Minimum cost spanning trees	17/02/2017	BCSL404	A
4	27	All pairs shortest path, single source shortest paths	20/02/2017	BCSL404	A
4	28	Optimal binary search tree	21/02/2017	BCSL404	A
5	29	Travelling salesman problem, Maximum flow networks	27/02/2017	BCSL404	A
5	30	Basic Traversal and Search Techniques,	28/02/2017	BCSL404	A
4	10	Introduction to dynamic programming	03/03/2017	BCSL404	A
5	31	Breadth First Search & Depth first search	03/03/2017	BCSL404	A
5	32	Connected Component	06/03/2017	BCSL404	A
5	33	Backtracking strategy	07/03/2017	BCSL404	A
4	11	Introduction to dynamic programming	10/03/2017	BCSL404	A



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Course : Design & Analysis of Algorithms

Faculty : P S Jain

Unit	Topic Code	Topic Covered	Date	Course	Section
5	34	8-Queen's problem	10/03/2017	BCSL404	A
5	12	Travelling salesman problem, Maximum flow networks	17/03/2017	BCSL404	A
5	35	Graph coloring, Hamiltonian cycles	17/03/2017	BCSL404	A
6	36	NP-hard and NP-complete problems	20/03/2017	BCSL404	A
6	37	Non-deterministic algorithm	21/03/2017	BCSL404	A
5	13	Basic Traversal and Search Techniques,	24/03/2017	BCSL404	A
6	38	Decision and optimization problems	24/03/2017	BCSL404	A
6	39	Computational geometry, approximation algorithm	27/03/2017	BCSL404	A
6	40	Recent trends in design and analysis of algorithm	28/03/2017	BCSL404	A



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Course wise Teaching Plan for Session : Summer 2017

Course : Graph Theory & Combinatorics

Faculty : Aarti Patle

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Introduction to GTC	05/12/2016	BAML208	A
1	2	Unit:1-Set Theory	06/12/2016	BAML208	A
1	3	Representation of sets on computer in terms of 0's & 1's	07/12/2016	BAML208	A
1	4	Partition & covering of a set, Product set,	09/12/2016	BAML208	A
1	5	Relations, Graph of relation	13/12/2016	BAML208	A
1	6	Matrix of relation, Transitive closure & Compatible relation	14/12/2016	BAML208	A
1	7	Partial ordering & poset, ,	16/12/2016	BAML208	A
1	8	Hasse diagram of Poset, Totally ordered set	19/12/2016	BAML208	A
1	9	Peano axioms	20/12/2016	BAML208	A
1	10	Mathematical Induction	21/12/2016	BAML208	A
2	11	Semigroup, monoid, and examples	23/12/2016	BAML208	A
2	12	Homomorphism, Isomorphism of semigroup.	02/01/2017	BAML208	A
2	13	Groups, properties of groups	03/01/2017	BAML208	A
2	14	Permutations groups, Subgroups, Cosets, Lagranges theorem	04/01/2017	BAML208	A
2	15	Properties of cyclic groups, generator of group,	06/01/2017	BAML208	A
2	16	Kernel of Homorphism, quotient group	16/01/2017	BAML208	A
2	17	Fundamental theorem, Homomorphism of groups	17/01/2017	BAML208	A
2	18	Residue classes & Fermats theorem	18/01/2017	BAML208	A
3	19	Rings, types of rings,	20/01/2017	BAML208	A
3	20	Fields, subring, Integral domain	23/01/2017	BAML208	A
3	21	Simple properties of rings. Lattice as Poset & as algebraic system,	24/01/2017	BAML208	A



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Course wise Teaching Plan for Session : Summer 2017

Course : Graph Theory & Combinatorics

Faculty : Aarti Patle

Unit	Topic Code	Topic Covered	Date	Course	Section
3	22	Types of lattices, Hasse diagrams, Sublattice	25/01/2017	BAML208	A
3	23	Direct product of Lattices, Lattice Homomorphism,	27/01/2017	BAML208	A
3	24	Complement of elements of lattices, Various lattices, composition tables, Lattice	30/01/2017	BAML208	A
3	25	Boolean algebra, Expressions, Equivalence of Boolean	31/01/2017	BAML208	A
3	26	Expression by tables, Simplification of circuit & equivalent circuit by truth tables	01/02/2017	BAML208	A
4	27	Graphs and its types, Subgraph,	03/02/2017	BAML208	A
4	28	Quotient graph, Euler path, Complete path, reach-ability	06/02/2017	BAML208	A
4	29	Cycle, matrix representation of graph. Transitive closure of graph	07/02/2017	BAML208	A
4	30	Adjacency matrix, Trees, Venn diagram, Representation of trees	08/02/2017	BAML208	A
4	31	Binary trees, Spanning trees,	13/02/2017	BAML208	A
4	32	Prims algorithm	14/02/2017	BAML208	A
5	33	Definition of generating functions and examples.	15/02/2017	BAML208	A
5	34	Proof of simple combinatorial identities, Probab. G.F.	20/02/2017	BAML208	A
5	35	Recursive relations	21/02/2017	BAML208	A
5	36	Definitions & examples, explicitly formula for sequence	22/02/2017	BAML208	A
5	37	Back tracking to find explicit formula of sequence,	27/02/2017	BAML208	A
5	38	solving recurrence relations, Counting Theorem and appl.	28/02/2017	BAML208	A
5	39	Cardinal numbers, denumerable sets. Multiplication principle of counting.	01/03/2017	BAML208	A
5	40	Equivalent sets Permutation & Combination with examples	03/03/2017	BAML208	A



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Faculty : Aarti Patle

Unit	Topic Code	Topic Covered	Date	Course	Section
5	41	The pigeon hole principle & extended pigeon hole principle	06/03/2017	BAML208	A
5	42	Application of pigeon hole principle in solving simple problems	07/03/2017	BAML208	A
6	43	Examples of continued fractions , Study of continued fractions,	08/03/2017	BAML208	A
6	44	Alpha has Infinite continued fraction if alpha is irrational	10/03/2017	BAML208	A
6	45	Alpha has periodic continued fractions if alpha is quadratic irrational.	17/03/2017	BAML208	A
6	46	Appl. to approximation of irrationals by rationals, Hurwitz's theorem	20/03/2017	BAML208	A
6	47	Revision	21/03/2017	BAML208	A
6	48	Revision	22/03/2017	BAML208	A
6	49	Revision	24/03/2017	BAML208	A
6	50	Revision	27/03/2017	BAML208	A



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Course wise Teaching Plan for Session : Summer 2017

Course : Microprocessor Based Systems

Faculty : Ganesh S Khekare

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Revision	06/12/2016	BECL303	A
1	1	Objectives of Microprocessor based systems, Revision of 8085 and other Processors	06/12/2016	BECL303	A
1	1	Objectives of Microprocessor based systems, Revision of 8085 and other Processors	06/12/2016	BECL303	A
1	2	Building Concepts of Microprocessor	07/12/2016	BECL303	A
1	2	Building Concepts of Microprocessor	07/12/2016	BECL303	A
1	3	Introduction to 16, 32, 64 bit Microprocessor	08/12/2016	BECL303	A
1	3	Introduction to 16, 32, 64 bit Microprocessor	08/12/2016	BECL303	A
1	4	Introduction to 16, 32, 64 bit Microprocessor	09/12/2016	BECL303	A
1	4	Introduction to 16, 32, 64 bit Microprocessor	09/12/2016	BECL303	A
1	5	Comparison of 8086 / 8088 CPU Architecture	13/12/2016	BECL303	A
1	5	Comparison of 8086 / 8088 CPU Architecture	13/12/2016	BECL303	A
1	6	Microprocessor Evolution - INTEL 8086 to Pentium with focus on	14/12/2016	BECL303	A
1	6	Microprocessor Evolution - INTEL 8086 to Pentium with focus on	14/12/2016	BECL303	A
1	7	Clock Speed, Concurrent operation of EU and BIU	15/12/2016	BECL303	A
1	7	Clock Speed, Concurrent operation of EU and BIU	15/12/2016	BECL303	A
1	8	Memory Organization & Interfacing	16/12/2016	BECL303	A
1	8	Memory Organization & Interfacing	16/12/2016	BECL303	A
1	9	Memory Organization & Interfacing	20/12/2016	BECL303	A
1	9	Memory Organization & Interfacing	20/12/2016	BECL303	A
1	10	Revision	21/12/2016	BECL303	A



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Course : Microprocessor Based Systems

Faculty : Ganesh S Khekare

Unit	Topic Code	Topic Covered	Date	Course	Section
1	10	Revision	21/12/2016	BECL303	A
2	11	8086 Programming-Concepts of programming	22/12/2016	BECL303	A
2	11	8086 Programming-Concepts of programming	22/12/2016	BECL303	A
2	12	Addressing modes	23/12/2016	BECL303	A
2	12	Addressing modes	23/12/2016	BECL303	A
2	13	Instruction set	03/01/2017	BECL303	A
2	13	Instruction set	03/01/2017	BECL303	A
2	14	Instruction set	04/01/2017	BECL303	A
2	14	Instruction set	04/01/2017	BECL303	A
2	15	Programming examples	05/01/2017	BECL303	A
2	15	Programming examples	05/01/2017	BECL303	A
2	16	Pseudo Opcodes	06/01/2017	BECL303	A
2	16	Pseudo Opcodes	06/01/2017	BECL303	A
2	17	Assembler Directives	12/01/2017	BECL303	A
2	17	Assembler Directives	12/01/2017	BECL303	A
2	18	Introduction to Software and Hardware tools	13/01/2017	BECL303	A
2	18	Introduction to Software and Hardware tools	13/01/2017	BECL303	A
2	19	[Cross assemblers, Logic analysers, Emulators, Simulators]	17/01/2017	BECL303	A
2	19	[Cross assemblers, Logic analysers, Emulators, Simulators]	17/01/2017	BECL303	A
2	20	Revision	18/01/2017	BECL303	A
2	20	Revision	18/01/2017	BECL303	A
3	21	Co-processor interfacing	19/01/2017	BECL303	A



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Course : Microprocessor Based Systems

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Unit	Topic Code	Topic Covered	Date	Course	Section
3	21	Co-processor interfacing	19/01/2017	BECL303	A
3	22	8086 / 88 Maximum Mode	20/01/2017	BECL303	A
3	22	8086 / 88 Maximum Mode	20/01/2017	BECL303	A
3	23	Architecture of 8087	24/01/2017	BECL303	A
3	23	Architecture of 8087	24/01/2017	BECL303	A
3	24	Programming of 8087	25/01/2017	BECL303	A
3	24	Programming of 8087	25/01/2017	BECL303	A
3	25	Programming of 8087	27/01/2017	BECL303	A
3	25	Programming of 8087	27/01/2017	BECL303	A
3	26	8087 Interfacing with 8086/8088	31/01/2017	BECL303	A
3	26	8087 Interfacing with 8086/8088	31/01/2017	BECL303	A
3	27	8087 Interfacing with 8086/8088	01/02/2017	BECL303	A
3	27	8087 Interfacing with 8086/8088	01/02/2017	BECL303	A
3	28	Revision	02/02/2017	BECL303	A
3	28	Revision	02/02/2017	BECL303	A
4	29	8255 Interfacing	03/02/2017	BECL303	A
4	29	8255 Interfacing	03/02/2017	BECL303	A
4	30	Interfacing and programming of Peripheral 8255	07/02/2017	BECL303	A
4	30	Interfacing and programming of Peripheral 8255	07/02/2017	BECL303	A
4	31	Interfacing and programming of Peripheral 8255	08/02/2017	BECL303	A
4	31	Interfacing and programming of Peripheral 8255	08/02/2017	BECL303	A
4	32	Interfacing of ADC, DAC & applications	14/02/2017	BECL303	A



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Course : Microprocessor Based Systems

Faculty : Ganesh S Khekare

Unit	Topic Code	Topic Covered	Date	Course	Section
4	32	Interfacing of ADC, DAC & applications	14/02/2017	BECL303	A
4	33	Interfacing of ADC, DAC & applications	15/02/2017	BECL303	A
4	33	Interfacing of ADC, DAC & applications	15/02/2017	BECL303	A
4	34	Interfacing of ADC, DAC & applications	21/02/2017	BECL303	A
4	34	Interfacing of ADC, DAC & applications	21/02/2017	BECL303	A
4	35	Interfacing and programming of Peripheral 8253	22/02/2017	BECL303	A
4	35	Interfacing and programming of Peripheral 8253	22/02/2017	BECL303	A
4	36	Interfacing and programming of Peripheral 8253	23/02/2017	BECL303	A
4	36	Interfacing and programming of Peripheral 8253	23/02/2017	BECL303	A
5	37	Special Peripheral Interfacing	24/02/2017	BECL303	A
5	37	Special Peripheral Interfacing	24/02/2017	BECL303	A
5	38	Architecture, Interfacing and programming of Peripherals, 8251	28/02/2017	BECL303	A
5	38	Architecture, Interfacing and programming of Peripherals, 8251	28/02/2017	BECL303	A
5	39	Architecture, Interfacing and programming of Peripherals, 8251	01/03/2017	BECL303	A
5	39	Architecture, Interfacing and programming of Peripherals, 8251	01/03/2017	BECL303	A
5	40	Architecture, Interfacing and programming of Peripherals, 8251	02/03/2017	BECL303	A
5	40	Architecture, Interfacing and programming of Peripherals, 8251	02/03/2017	BECL303	A
5	41	Architecture, Interfacing and programming of Peripherals, DMA Controllers 8237	03/03/2017	BECL303	A
5	41	Architecture, Interfacing and programming of Peripherals, DMA Controllers 8237	03/03/2017	BECL303	A



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Course : Microprocessor Based Systems

Faculty : Ganesh S Khekare

Unit	Topic Code	Topic Covered	Date	Course	Section
5	42	Architecture, Interfacing and programming of Peripherals, DMA Controllers 8237	07/03/2017	BECL303	A
5	42	Architecture, Interfacing and programming of Peripherals, DMA Controllers 8237	07/03/2017	BECL303	A
6	43	Advanced Microprocessor study	08/03/2017	BECL303	A
6	43	Advanced Microprocessor study	08/03/2017	BECL303	A
6	44	80386 Architecture, Real and Protected Mode,	09/03/2017	BECL303	A
6	45	Register Model, Memory Management Unit	10/03/2017	BECL303	A
6	46	Register Model, Memory Management Unit	17/03/2017	BECL303	A
6	47	Latest trends in microprocessors systems.	21/03/2017	BECL303	A
6	48	Revision	22/03/2017	BECL303	A
6	49	Revision	23/03/2017	BECL303	A
6	50	Revision	24/03/2017	BECL303	A



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Course wise Teaching Plan for Session : Summer 2017

Course : Analog & Digital Communication

Faculty : Ms. Trupti H. Nagrare

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Objectives and importance of communication	05/12/2016	BECL210	A
1	2	Objectives of Analog And Digital Communication , explanation about TAE parameter, Introduction to syllabus	06/12/2016	BECL210	A
1	3	Block Schematic of Communication System	07/12/2016	BECL210	A
1	4	Base Band Signals and their bandwidth requirements	08/12/2016	BECL210	A
1	5	RF Bands, Types of Communication Channels	12/12/2016	BECL210	A
1	6	transmission line, coaxial cable, fiber optic, Waveguides and Optical Fiber	13/12/2016	BECL210	A
1	7	Concept of Radiation and Electromagnetic waves	14/12/2016	BECL210	A
1	8	Ground Wave Sky Wave, Space Wave	15/12/2016	BECL210	A
1	9	Duct, Tropospheric Scatter and	19/12/2016	BECL210	A
1	10	Concept of Fading and diversity reception, Noise Figure Calculations.	20/12/2016	BECL210	A
2	11	AM Modulators series plate modulated class C amplifiers,	21/12/2016	BECL210	A
2	12	efficiency & power calculations	22/12/2016	BECL210	A
2	13	AM using transistors	02/01/2017	BECL210	A
2	14	Block Diagram of AM Receiver	03/01/2017	BECL210	A
2	15	AM Detection : Envelope detection	04/01/2017	BECL210	A
2	16	Synchronous detection, Practical diode detection	05/01/2017	BECL210	A
2	17	AGC, SSB and DSB detection methods	12/01/2017	BECL210	A
2	18	AM receiver	16/01/2017	BECL210	A
2	19	Am demodulator, SSB receiver, AGC	17/01/2017	BECL210	A
3	20	Frequency modulation, introduction, modulation index	18/01/2017	BECL210	A



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Course wise Teaching Plan for Session : Summer 2017

Course : Analog & Digital Communication

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Unit	Topic Code	Topic Covered	Date	Course	Section
3	21	FM modulator using FET	19/01/2017	BECL210	A
3	22	Angle modulation,	23/01/2017	BECL210	A
3	23	frequency modulation spectrum reactance tube and FET modulators	24/01/2017	BECL210	A
3	24	Angle modulation,	25/01/2017	BECL210	A
3	25	Armstrong method,	30/01/2017	BECL210	A
3	26	FM transmitters	31/01/2017	BECL210	A
3	27	Armstrong method,	01/02/2017	BECL210	A
3	28	frequency stabilization methods	02/02/2017	BECL210	A
3	29	FM discriminator, foster Seeley ,PLL detectors	06/02/2017	BECL210	A
3	30	stereo phonic FM, Super heterodyne Receiver	07/02/2017	BECL210	A
3	31	FM discriminator	08/02/2017	BECL210	A
3	32	Performance characteristics :Sensitivity, Selectivity,Fidelity, Image Frequency Rejection, IFRR,	13/02/2017	BECL210	A
3	33	Tracking, De-emphasis, Mixers	14/02/2017	BECL210	A
4	34	Pulse modulation: Pulse amplitude modulation [PAM] , pulse width modulation[PWM]	15/02/2017	BECL210	A
4	35	Pulse position modulation [PPM]Pulse code modulation [PCM	20/02/2017	BECL210	A
4	36	PCM systems, Delta modulation,ADPCM, matched filter receiver	21/02/2017	BECL210	A
4	37	Coherent Binary: PSK, FSK	22/02/2017	BECL210	A
4	38	Pulse code modulation, quantization	23/02/2017	BECL210	A
4	39	ADPCM,DM,Digital modulation	27/02/2017	BECL210	A
5	40	Source coding and transmission methods	28/02/2017	BECL210	A



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Unit	Topic Code	Topic Covered	Date	Course	Section
5	41	Data formats-unipolar and polar NRZ,RZ	01/03/2017	BECL210	A
5	42	bipolar [AMI], manchester, synchronization-bit and frame	02/03/2017	BECL210	A
5	43	Synchronization, scrambling and unscramling, Information theory	06/03/2017	BECL210	A
5	44	Information theory, Huffman coding and	07/03/2017	BECL210	A
5	45	L-Z encoding	08/03/2017	BECL210	A
5	46	channel coding algorithm	09/03/2017	BECL210	A
5	47	convolution, distance properties	20/03/2017	BECL210	A
6	48	Linear block coding, generator matrix and parity check matrix,	21/03/2017	BECL210	A
6	49	Transfer function of convolution code,	22/03/2017	BECL210	A
6	50	viterbi algorithm	23/03/2017	BECL210	A
6	51	optimum decoding,	27/03/2017	BECL210	A
6	52	distance properties of binary convolution coding	28/03/2017	BECL210	A
6	53	fano algorithm,	29/03/2017	BECL210	A
6	54	Trellis code modulation	30/03/2017	BECL210	A