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 TeachingPlan for Session : Summer 2018

Course : Graph Theory & Combinatorics   **Faculty : nvvaidya - Nalini V. Vaidya**

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Discussion of Course Objective, Outcomes of M-IV Syllabus	04/12/2017	BAML208	A
1	2	Operations on sets, Laws of algebra of sets,	05/12/2017	BAML208	A
1	3	Representation of sets on computer in terms of 0's & 1's.	06/12/2017	BAML208	A
1	4	Partition & covering of a set, ordered pair,	08/12/2017	BAML208	A
1	5	Product set, Relation–Different types of relations	11/12/2017	BAML208	A
1	6	Graph of relation, Matrix of relation,	12/12/2017	BAML208	A
1	7	Transitive closure of relation, Properties of relations	13/12/2017	BAML208	A
1	8	Compatible relation. Functions,	15/12/2017	BAML208	A
1	9	Partial ordering & partially ordered set,	18/12/2017	BAML208	A
1	10	Hasse diagram of Poset,	19/12/2017	BAML208	A
1	11	Totally ordered set, Peano axioms & Mathematical Induction.	20/12/2017	BAML208	A
2	12	Algebra or Algebraic systems like semigroup,	22/12/2017	BAML208	A
0	13	monoid, and examples	26/12/2017	BAML208	A
2	14	Homomorphism, Isomorphism of semigroup	27/12/2017	BAML208	A
0	15	Homomorphism, Isomorphism of monoid	29/12/2017	BAML208	A
2	16	Groups, properties of algebraic groups.	01/01/2018	BAML208	A
2	17	Permutations groups, Subgroups,	02/01/2018	BAML208	A
0	18	Cosets, Lagranges theorem,	03/01/2018	BAML208	A
2	19	properties of cyclic groups, generator of group	08/01/2018	BAML208	A
2	20	Homorphism, quotient group. Rings ,	09/01/2018	BAML208	A
2	21	Fields and Integral domain	10/01/2018	BAML208	A

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 TeachingPlan for Session : Summer 2018

Course : Graph Theory & Combinatorics   **Faculty : nvvaidya - Nalini V. Vaidya**

Unit	Topic Code	Topic Covered	Date	Course	Section
3	22	Lattice as Poset & as algebraic system, Types of lattices	12/01/2018	BAML208	A
3	23	Lattice as Poset & as algebraic system, Types of lattices	15/01/2018	BAML208	A
3	24	Hasse diagrams, Sublattice,	16/01/2018	BAML208	A
3	25	Direct product of Lattices Lattice Homomorphism	17/01/2018	BAML208	A
3	26	complement of elements of lattices, Various lattices,	19/01/2018	BAML208	A
3	27	composition tables, Lattice .	22/01/2018	BAML208	A
3	28	Boolean algebra; Boolean Expressions, Equivalence of Boolean Expression by tables	23/01/2018	BAML208	A
4	29	Simplification of circuit & equivalent circuit by truth tables.	24/01/2018	BAML208	A
4	30	Graphs and its types, subgraph, Quotient graph, Euler path, Complete path	29/01/2018	BAML208	A
4	31	Indegree outdegree, reachability, cycle, matrix representation of graph	30/01/2018	BAML208	A
4	32	Transitive closure of graph, Adjacency matrix, Trees, Venn diagram, Representation of trees,	31/01/2018	BAML208	A
5	33	Transitive closure of graph, Adjacency matrix, Trees, Venn diagram, Representation of trees,	02/02/2018	BAML208	A
5	34	binary trees, spanning trees, Prims algorithm.	03/02/2018	BAML208	A
5	35	Definition of generating functions and examples, proof of simple combinatorial identities,	05/02/2018	BAML208	A
5	36	Definition of generating functions and examples, proof of simple combinatorial identities,	06/02/2018	BAML208	A
5	37	Recursive relations: definitions & examples, explicitly formula for sequence, back tracking to find explicit formula of sequence,	07/02/2018	BAML208	A
6	38	Solving recurrence relations. Counting Theorem	12/02/2018	BAML208	A

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 TeachingPlan for Session : Summer 2018

Course : Graph Theory & Combinatorics **Faculty : nvvaidya - Nalini V. Vaidya**

Unit	Topic Code	Topic Covered	Date	Course	Section
6	40	Examples of continued fractions.	14/02/2018	BAML208	A
6	41	Examples of continued fractions.	16/02/2018	BAML208	A
6	42	The study of continued fractions .alpha has Infinite continued fraction if alpha is irrational.	23/02/2018	BAML208	A
6	43	Alpha has periodic continued fractions if alpha is quadratic irrational.	26/02/2018	BAML208	A
0	0		28/02/2018	BAML208	A
6	44	Application to approximation of irrationals by rationals.	03/03/2018	BAML208	A
6	45	Hurwitz's theorem, Advanced topic on Combinatorial Theory	05/03/2018	BAML208	A
6	46	REVISION	06/03/2018	BAML208	A
6	47	REVISION	07/03/2018	BAML208	A
6	48	REVISION	09/03/2018	BAML208	A
6	49	REVISION	16/03/2018	BAML208	A
6	50	REVISION	19/03/2018	BAML208	A
1	51	REVISION	20/03/2018	BAML208	A
2	52	REVISION	21/03/2018	BAML208	A
3	53	REVISION	23/03/2018	BAML208	A
4	54	REVISION	26/03/2018	BAML208	A
5	55	REVISION	28/03/2018	BAML208	A

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 TeachingPlan for Session : Summer 2018

Course : Design & Analysis of Algorithms   **Faculty : kkwankhade - Kapil K.Wankhade**

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Introduction to arithmetic and geometric series	04/12/2017	BCSL404	A
1	2	Bounding summation using integration	05/12/2017	BCSL404	A
1	3	Recurrence relation	06/12/2017	BCSL404	A
1	1	Problems on recurrence relation	08/12/2017	BCSL404	A
1	4	Characteristic equation and generating function	09/12/2017	BCSL404	A
1	5	Complexity calculation of various standard functions	11/12/2017	BCSL404	A
1	6	Principles of designing algorithms	12/12/2017	BCSL404	A
1	7	Revision	13/12/2017	BCSL404	A
1	2	Problems on recurrence relation and asymptotic notations	15/12/2017	BCSL404	A
2	8	Introduction to asymptotic notation of analysis of algorithms	16/12/2017	BCSL404	A
2	9	Analyzing control structures	18/12/2017	BCSL404	A
2	10	Worst case and average case analysis	19/12/2017	BCSL404	A
2	11	Amortized analysis	20/12/2017	BCSL404	A
2	3	Problems on divide and conquer method	22/12/2017	BCSL404	A
2	12	Application of amortized analysis	23/12/2017	BCSL404	A
2	13	Sorting networks, comparison networks	02/01/2018	BCSL404	A
2	14	Biotonic sorting network	03/01/2018	BCSL404	A
2	15	Revision	08/01/2018	BCSL404	A
3	16	Introduction to advanced data structure- Fibonacci heap	09/01/2018	BCSL404	A
3	17	Disjoint set representation	10/01/2018	BCSL404	A
2	4	Problems on divide and conquer method	12/01/2018	BCSL404	A

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 TeachingPlan for Session : Summer 2018

Course : Design & Analysis of Algorithms   **Faculty : kkwankhade - Kapil K.Wankhade**

Unit	Topic Code	Topic Covered	Date	Course	Section
3	18	Red and black tree and applications	15/01/2018	BCSL404	A
3	19	Divide and conquer basic strategy	16/01/2018	BCSL404	A
3	20	Matrix operation, Binary search	17/01/2018	BCSL404	A
3	5	Problems on greedy method	19/01/2018	BCSL404	A
3	21	Quick sort, Merge sort	20/01/2018	BCSL404	A
3	22	Fast Fourier Transform	22/01/2018	BCSL404	A
3	23	Revision	23/01/2018	BCSL404	A
4	24	Greedy method- basic strategy	24/01/2018	BCSL404	A
4	25	Application to job sequencing with deadlines problem	29/01/2018	BCSL404	A
4	26	Minimum cost spanning trees	30/01/2018	BCSL404	A
4	27	Single source shortest path using greedy method	31/01/2018	BCSL404	A
3	6	Problems on greedy method	02/02/2018	BCSL404	A
4	28	Introduction to dynamic programming	03/02/2018	BCSL404	A
4	29	Basic strategy, Multistage graph	05/02/2018	BCSL404	A
4	30	All pairs shortest path, single source shortest paths	06/02/2018	BCSL404	A
4	31	Optimal binary search tree	07/02/2018	BCSL404	A
4	32	Travelling salesman problem, Maximum flow networks	12/02/2018	BCSL404	A
4	33	Revision	14/02/2018	BCSL404	A
4	7	Problems on dynamic programming	16/02/2018	BCSL404	A
4	8	Problems on dynamic programming	23/02/2018	BCSL404	A
5	34	Basic Traversal and Search Techniques,	24/02/2018	BCSL404	A
5	35	Breadth First Search & Depth first search	26/02/2018	BCSL404	A

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 TeachingPlan for Session : Summer 2018

Course : Design & Analysis of Algorithms   **Faculty : kkwankhade - Kapil K.Wankhade**

Unit	Topic Code	Topic Covered	Date	Course	Section
5	36	Connected Component	27/02/2018	BCSL404	A
5	37	Backtracking strategy	28/02/2018	BCSL404	A
5	38	8-Queen's problem	03/03/2018	BCSL404	A
5	39	Graph coloring, Hamiltonian cycles	05/03/2018	BCSL404	A
5	40	Revision	06/03/2018	BCSL404	A
6	41	NP-hard and NP-complete problems	07/03/2018	BCSL404	A
5	9	Problems on graph	09/03/2018	BCSL404	A
6	42	Non-deterministic algorithm	10/03/2018	BCSL404	A
5	10	Problems on backtracking	16/03/2018	BCSL404	A
6	43	NP-hard, NP-complete	17/03/2018	BCSL404	A
6	44	Decision and optimization problems	19/03/2018	BCSL404	A
6	45	Computational geometry, approximation algorithm	20/03/2018	BCSL404	A
6	46	Recent trends in design and analysis of algorithm	21/03/2018	BCSL404	A
6	11	Problems on backtracking	23/03/2018	BCSL404	A
6	47	Parallel algorithm	24/03/2018	BCSL404	A
6	48	Parallel algorithm	26/03/2018	BCSL404	A
6	49	Revision	27/03/2018	BCSL404	A

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 TeachingPlan for Session : Summer 2018

Course : Analog & Digital Communication

Faculty : thnagrare - Ms. Trupti H. Nagrare

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Objectives and importance of communication	04/12/2017	BECL210	A
1	2	Objectives of Analog And Digital Communication , explanation about TAE parameter, Introduction to syllabus	05/12/2017	BECL210	A
1	3	Block Schematic of Communication System	07/12/2017	BECL210	A
1	4	Base Band Signals and their bandwidth requirements	08/12/2017	BECL210	A
1	5	RF Bands, Types of Communication Channels	11/12/2017	BECL210	A
1	6	transmission line, coaxial cable, fiber optic, Waveguides and Optical Fiber	12/12/2017	BECL210	A
1	7	Concept of Radiation and Electromagnetic waves	14/12/2017	BECL210	A
1	8	Ground Wave Sky Wave, Space Wave	15/12/2017	BECL210	A
1	9	Duct, Tropospheric Scatter and	18/12/2017	BECL210	A
1	10	Concept of Fading and diversity reception, Noise Figure Calculations.	19/12/2017	BECL210	A
2	11	AM Modulators series plate modulated class C amplifiers,	21/12/2017	BECL210	A
2	12	efficiency & power calculations	22/12/2017	BECL210	A
2	13	AM using transistors	01/01/2018	BECL210	A
2	14	Block Diagram of AM Receiver	02/01/2018	BECL210	A
2	15	AM Detection : Envelope detection	08/01/2018	BECL210	A
2	16	Synchronous detection, Practical diode detection	09/01/2018	BECL210	A
2	17	AGC, SSB and DSB detection methods	11/01/2018	BECL210	A
2	18	AM receiver	12/01/2018	BECL210	A
2	19	Am demodulator, SSB receiver, AGC	15/01/2018	BECL210	A
3	20	Frequency modulation, introduction, modulation index	16/01/2018	BECL210	A

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 TeachingPlan for Session : Summer 2018

Course : Analog & Digital Communication   **Faculty : thnagrare - Ms. Trupti H. Nagrare**

Unit	Topic Code	Topic Covered	Date	Course	Section
3	21	FM modulator using FET	18/01/2018	BECL210	A
3	22	Angle modulation,	19/01/2018	BECL210	A
3	23	frequency modulation spectrum reactance tube and FET modulators	22/01/2018	BECL210	A
3	24	Angle modulation,	23/01/2018	BECL210	A
3	25	Armstrong method,	25/01/2018	BECL210	A
3	26	FM transmitters	29/01/2018	BECL210	A
3	27	Armstrong method,	30/01/2018	BECL210	A
3	28	frequency stabilization methods	01/02/2018	BECL210	A
3	29	FM discriminator, foster Seeley ,PLL detectors	02/02/2018	BECL210	A
3	30	stereo phonic FM, Super heterodyne Receiver	05/02/2018	BECL210	A
3	31	FM discrimonator	06/02/2018	BECL210	A
3	32	Performance characteristics :Sensitivity, Selectivity,Fidelity, Image Frequency Rejection, IFRR,	12/02/2018	BECL210	A
3	33	Tracking, De-emphasis, Mixers	15/02/2018	BECL210	A
4	34	Pulse modulation: Pulse amplitude modulation [PAM] , pulse width modulation[PWM]	16/02/2018	BECL210	A
4	35	Pulse position modulation [PPM]Pulse code modulation [PCM	23/02/2018	BECL210	A
4	36	PCM systems, Delta modulation,ADPCM, matched filter receiver	26/02/2018	BECL210	A
4	37	Coherent Binary: PSK, FSK	27/02/2018	BECL210	A
4	38	Pulse code modulation, quantization	01/03/2018	BECL210	A
4	39	ADPCM,DM,Digital modulation	05/03/2018	BECL210	A
5	40	Source coding and transmission methods	06/03/2018	BECL210	A

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 TeachingPlan for Session : Summer 2018

Course : Analog & Digital Communication

Faculty : thnagrare - Ms. Trupti H. Nagrare

Unit	Topic Code	Topic Covered	Date	Course	Section
5	41	Data formats-unipolar and polor NRZ,RZ	08/03/2018	BECL210	A
5	42	bipolar [AMI], manchester, synchronization-bit and frame	09/03/2018	BECL210	A
5	43	Synchronization, scrambling and unscramling,Information theory	15/03/2018	BECL210	A
5	44	Information thory, Huffman coding and	16/03/2018	BECL210	A
5	45	L-Z encoding	19/03/2018	BECL210	A
5	46	channel coding algorithm	20/03/2018	BECL210	A
5	47	convolution, distance properties	22/03/2018	BECL210	A
6	48	Linear block coding,generator matrix and parity check metrix,	23/03/2018	BECL210	A
6	49	Transfer function of convolution code,	26/03/2018	BECL210	A
6	50	viterbi algorithm, Trellies code modulation	27/03/2018	BECL210	A

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 TeachingPlan for Session : Summer 2018

Course : Microprocessor Based Systems　　　　　　　　**Faculty : jjshah - Ms. Jagruti J. Shah**

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Objectives of Microprocessor based systems, Revision of 8085 and other Processors	04/12/2017	BECL303	A
1	1	Building Concepts of Microprocessor	05/12/2017	BECL303	A
1	2	Building Concepts of Microprocessor	06/12/2017	BECL303	A
1	3	Introduction to 16, 32, 64 bit Microprocessor	07/12/2017	BECL303	A
1	4	Introduction to 16, 32, 64 bit Microprocessor	08/12/2017	BECL303	A
1	5	Comparison of 8086 / 8088 CPU Architecture	11/12/2017	BECL303	A
1	2	Introduction to Instruction Set of 8-86 Microprocessor	12/12/2017	BECL303	A
1	6	Microprocessor Evolution - INTEL 8086 to Pentium with focus on	13/12/2017	BECL303	A
1	7	Clock Speed, Concurrent operation of EU and BIU	14/12/2017	BECL303	A
1	8	Memory Organization & Interfacing	15/12/2017	BECL303	A
1	9	Memory Organization & Interfacing	18/12/2017	BECL303	A
1	3	Introduction to Arithmetic Instruction Set	19/12/2017	BECL303	A
1	10	Revision	20/12/2017	BECL303	A
2	11	8086 Programming-Concepts of programming	01/01/2018	BECL303	A
1	4	Programming Example on Arithmetic Instruction Set	02/01/2018	BECL303	A
2	12	Addressing modes	03/01/2018	BECL303	A
2	13	Instruction set	04/01/2018	BECL303	A
2	15	Programming examples	05/01/2018	BECL303	A
2	16	Pseudo Opcodes	08/01/2018	BECL303	A
1	5	Programming Example on Arithmetic Instruction Set	09/01/2018	BECL303	A

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 TeachingPlan for Session : Summer 2018

Course : Microprocessor Based Systems   **Faculty : jjshah - Ms. Jagruti J. Shah**

Unit	Topic Code	Topic Covered	Date	Course	Section
2	17	Assembler Directives	10/01/2018	BECL303	A
2	19	[Cross assemblers, Logic analysers, Emulators, Simulators]	22/01/2018	BECL303	A
4	32	Interfacing of ADC, DAC & applications	22/01/2018	BECL303	A
1	6	Programming Example on Logical Instruction Set	23/01/2018	BECL303	A
2	20	Revision	24/01/2018	BECL303	A
3	21	Co-processor interfacing	25/01/2018	BECL303	A
3	22	8086 / 88 Maximum Mode	29/01/2018	BECL303	A
1	7	Programming Example on control instruction Set	30/01/2018	BECL303	A
3	23	Architecture of 8087	05/02/2018	BECL303	A
1	8	Assembler Directives	06/02/2018	BECL303	A
3	24	Programming of 8087	07/02/2018	BECL303	A
3	25	Programming of 8087	08/02/2018	BECL303	A
3	26	8087 Interfacing with 8086/8088	09/02/2018	BECL303	A
3	27	8087 Interfacing with 8086/8088	14/02/2018	BECL303	A
3	28	Revision	15/02/2018	BECL303	A
4	29	8255 Interfacing	16/02/2018	BECL303	A
4	30	Interfacing and programming of Peripheral 8255	19/02/2018	BECL303	A
4	31	Interfacing and programming of Peripheral 8255	21/02/2018	BECL303	A
4	33	Interfacing of ADC, DAC & applications	23/02/2018	BECL303	A
4	34	Interfacing of ADC, DAC & applications	26/02/2018	BECL303	A
1	10	Memory Interfacing problems	27/02/2018	BECL303	A
4	35	Interfacing and programming of Peripheral 8253	28/02/2018	BECL303	A

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 TeachingPlan for Session : Summer 2018

Course : Microprocessor Based Systems   **Faculty : jjshah - Ms. Jagruti J. Shah**

Unit	Topic Code	Topic Covered	Date	Course	Section
4	36	Interfacing and programming of Peripheral 8253	01/03/2018	BECL303	A
5	37	Special Peripheral Interfacing	01/03/2018	BECL303	A
5	38	Architecture, Interfacing and programming of Peripherals, 8251	05/03/2018	BECL303	A
2	11	8251 interfacing	06/03/2018	BECL303	A
5	39	Architecture, Interfacing and programming of Peripherals, 8251	12/03/2018	BECL303	A
2	12	Interfacing and programming of Peripheral 8255	13/03/2018	BECL303	A
5	40	Architecture, Interfacing and programming of Peripherals, 8251	14/03/2018	BECL303	A
5	41	Architecture, Interfacing and programming of Peripherals, DMA Controllers 8237	15/03/2018	BECL303	A
5	42	Architecture, Interfacing and programming of Peripherals, DMA Controllers 8237	16/03/2018	BECL303	A
6	43	Advanced Microprocessor study	19/03/2018	BECL303	A
2	13	Interfacing and programming of Peripheral 8253	20/03/2018	BECL303	A
6	44	80386 Architecture, Real and Protected Mode,	21/03/2018	BECL303	A
6	45	Register Model, Memory Management Unit	22/03/2018	BECL303	A
6	46	Register Model, Memory Management Unit	23/03/2018	BECL303	A
2	14	80386 Instruction Set	27/03/2018	BECL303	A
6	47	Latest trends in microprocessors systems.	29/03/2018	BECL303	A
6	48	Revision	30/03/2018	BECL303	A

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 TeachingPlan for Session : Summer 2018

Course : Theory Of Computation

Faculty : thkhan - Tabassum Habibullah Khan

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Objective of TOC, Applications, Uses, TAE parameter discussion.	04/12/2017	BCSL301	A
1	2	Introduction to TOC and Basic concepts.	05/12/2017	BCSL301	A
1	3	Mathematical preliminaries – Sets, operations, relations, strings, transitive closure.	07/12/2017	BCSL301	A
1	4	Induction and proof methods- pigeon-hole principle.	11/12/2017	BCSL301	A
1	5	Finite State machine, regular languages.	12/12/2017	BCSL301	A
1	6	Deterministic finite automata, conversion to deterministic automata,	14/12/2017	BCSL301	A
1	7	Conversion to deterministic automata and its examples.	18/12/2017	BCSL301	A
1	8	E-closures – regular expressions.	19/12/2017	BCSL301	A
2	9	Finite automata.	21/12/2017	BCSL301	A
2	10	Minimization of automata.	26/12/2017	BCSL301	A
2	11	Moore and Mealy machine and their equivalence.	28/12/2017	BCSL301	A
2	12	Examples & Revision.	01/01/2018	BCSL301	A
2	13	Pumping lemma for regular sets.	02/01/2018	BCSL301	A
2	14	Closure properties of regular sets- decision properties for regular sets.	08/01/2018	BCSL301	A
2	15	Equivalence between regular language and regular grammar.	09/01/2018	BCSL301	A
2	16	Revision.	11/01/2018	BCSL301	A
3	17	Concept of language – grammars and production rules.	15/01/2018	BCSL301	A
3	18	Context free languages with example.	16/01/2018	BCSL301	A
3	19	Parse trees and ambiguity of grammar.	18/01/2018	BCSL301	A
3	20	Reduction of CFGs.	22/01/2018	BCSL301	A

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 TeachingPlan for Session : Summer 2018

Course : Theory Of Computation   **Faculty : thkhan - Tabassum Habibullah Khan**

Unit	Topic Code	Topic Covered	Date	Course	Section
3	21	Chomsky Normal Forms.	23/01/2018	BCSL301	A
3	22	Griebach Normal Forms.	25/01/2018	BCSL301	A
4	23	Push – down Automata (PDA).	29/01/2018	BCSL301	A
4	24	Acceptance by two methods and their equivalence.	30/01/2018	BCSL301	A
4	25	Conversion of PDA to CFG CFLs.	01/02/2018	BCSL301	A
4	26	PDAs- closure and decision properties of CFLs.	05/02/2018	BCSL301	A
4	27	Turing machines – variants.	06/02/2018	BCSL301	A
4	28	Recursively enumerable, recursive sets.	12/02/2018	BCSL301	A
4	29	TM as computer of function.	15/02/2018	BCSL301	A
5	30	Decidability and solvability.	26/02/2018	BCSL301	A
5	31	Examples on TM.	27/02/2018	BCSL301	A
5	32	Revisions.	01/03/2018	BCSL301	A
5	33	Halting Problem, reductions , Post correspondence Problem (PCP).	05/03/2018	BCSL301	A
6	34	Church's hypothesis, Introduction to recursive function theory – primitive recursive.	06/03/2018	BCSL301	A
6	35	Partial recursive functions, Parsing: top down and bottom up approach, derivation and reduction.	08/03/2018	BCSL301	A
6	36	Partial recursive functions, Parsing: top down and bottom up approach, derivation and reduction.	15/03/2018	BCSL301	A
6	37	Revision.	19/03/2018	BCSL301	A
6	38	Revision	20/03/2018	BCSL301	A
6	39	Advance topic	22/03/2018	BCSL301	A
6	40	Advance topic	26/03/2018	BCSL301	A

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 TeachingPlan for Session : Summer 2018

Course : Theory Of Computation   **Faculty : thkhan - Tabassum Habibullah Khan**

Unit	Topic Code	Topic Covered	Date	Course	Section
6	41	Advance topic	27/03/2018	BCSL301	A

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 TeachingPlan for Session : Summer 2018

Course : COMPUTER SYSTEM SECURITY   **Faculty : asnagdive - Ms. Ashlesha Sudhir Nagdive**

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Attacks, services, mechanisms, security attacks, security services	05/12/2017	BITL304	A
1	2	A model for internet work security, encryption model, steganography	06/12/2017	BITL304	A
1	3	Classical encryption techniques	07/12/2017	BITL304	A
1	4	Modern techniques - simplified DES	12/12/2017	BITL304	A
1	5	S-DES key generation	13/12/2017	BITL304	A
1	6	S-DES encryption	14/12/2017	BITL304	A
1	7	Block cipher principles, data encryption standard	19/12/2017	BITL304	A
1	8	Block cipher principles, data encryption standard	20/12/2017	BITL304	A
1	9	Strength of DES, differential & linear cryptanalysis	21/12/2017	BITL304	A
1	10	Block cipher design principles	26/12/2017	BITL304	A
1	11	Algorithm - triple DES, international data encryption algorithm,	27/12/2017	BITL304	A
1	12	Blowfish, RCS, CAST, RC2	28/12/2017	BITL304	A
1	13	Characteristics of advanced symmetric block ciphers.	02/01/2018	BITL304	A
1	14	Characteristics of advanced symmetric block ciphers.	03/01/2018	BITL304	A
1	15	block cipher modes of operation	09/01/2018	BITL304	A
1	16	Placement of encryption function	10/01/2018	BITL304	A
1	17	traffic confidentiality	11/01/2018	BITL304	A
2	18	Placement of encryption function, key distribution	16/01/2018	BITL304	A
2	19	Random number generation. Public key cryptography.	17/01/2018	BITL304	A
2	20	RSA algorithm	18/01/2018	BITL304	A
2	21	Key management, diffie-heliman key exchange	23/01/2018	BITL304	A

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 TeachingPlan for Session : Summer 2018

Course : COMPUTER SYSTEM SECURITY

Faculty : asnagdive - Ms. Ashlesha Sudhir Nagdive

Unit	Topic Code	Topic Covered	Date	Course	Section
2	22	Principles elliptic curve remainder theorem	24/01/2018	BITL304	A
2	23	Discrete logarithms	25/01/2018	BITL304	A
2	24	Revision	30/01/2018	BITL304	A
3	25	Message Authentication & hash functions: Authentication requirements, functions, codes, hash functions	31/01/2018	BITL304	A
3	26	Security of hash function & macs	01/02/2018	BITL304	A
3	27	Hash & Mac algorithms: MD5 message digest algorithm	06/02/2018	BITL304	A
3	28	Secure hash algorithm (SHA- I), RJPEMD- 160	07/02/2018	BITL304	A
3	29	HMAC digital signatures & authentication protocols: digital signatures	13/02/2018	BITL304	A
3	30	Authentication protocols	14/02/2018	BITL304	A
3	31	CAE II	15/02/2018	BITL304	A
3	32	digital signature standard.	20/02/2018	BITL304	A
3	33	Networks security practice: Authentication applications - kerberos	21/02/2018	BITL304	A
4	38	IP security: overview, architecture, authentication header	22/02/2018	BITL304	A
4	39	Encapsulating security payload, combining security associations, key management.	27/02/2018	BITL304	A
5	40	Web security: requirements, secure sockets layer & transport layer security	28/02/2018	BITL304	A
5	41	Secure electronic transaction	01/03/2018	BITL304	A
5	42	Networks management security: basic concepts of SNMP, snmpvi community facility, snmpv3	06/03/2018	BITL304	A
5	43	System Security: Intruders, viruses and	07/03/2018	BITL304	A

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 TeachingPlan for Session : Summer 2018

Course : COMPUTER SYSTEM SECURITY   **Faculty : asnagdive - Ms. Ashlesha Sudhir Nagdive**

Unit	Topic Code	Topic Covered	Date	Course	Section
5	44	Firewalls: design principles,	08/03/2018	BITL304	A
5	45	worms - intruders,	20/03/2018	BITL304	A
5	46	viruses & related threats	21/03/2018	BITL304	A
5	47	trusted systems.	22/03/2018	BITL304	A

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 TeachingPlan for Session : Summer 2018

Course : DATA MINING AND WAREHOUSING   **Faculty : kkwankhade - Kapil K.Wankhade**

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Introduction to Decision Support System: DSS Defined, History of DSS	05/12/2017	BCSL414	A
1	2	Ingredients of DSS, Data and Model Management	06/12/2017	BCSL414	A
1	3	DSS Knowledge base, User Interfaces	07/12/2017	BCSL414	A
1	4	The DSS Users, Categories and Classes of DSS	08/12/2017	BCSL414	A
1	5	Need for data warehousing, Operational & informational data	12/12/2017	BCSL414	A
1	6	Data Warehouse definition and characteristics, Operational Data Stores	13/12/2017	BCSL414	A
1	7	Revision	14/12/2017	BCSL414	A
2	8	Data warehouse Components, Architectural components	15/12/2017	BCSL414	A
2	9	Data Preprocessing: Why Preprocess Data? Data Cleaning Techniques	19/12/2017	BCSL414	A
2	10	Data Integration and Transformation, Data Reduction Techniques	20/12/2017	BCSL414	A
2	11	Discretization and Concept Hierarchy Generation for numeric and categorical data	02/01/2018	BCSL414	A
2	12	significant role of metadata, Building a Data warehouse	03/01/2018	BCSL414	A
2	13	Benefits of Data Warehousing	09/01/2018	BCSL414	A
2	14	Revision	10/01/2018	BCSL414	A
3	15	OLAP in the Data Warehouse A Multidimensional Data Model	11/01/2018	BCSL414	A
3	16	Schemas for Multidimensional Databases: Stars, Snowflakes,	12/01/2018	BCSL414	A
3	17	Star join and Fact Constellations Measures	16/01/2018	BCSL414	A
3	18	Concept Hierarchies, OLAP Operations in the Multidimensional Data Model	17/01/2018	BCSL414	A
3	19	Need for OLAP, OLAP tools	18/01/2018	BCSL414	A

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 TeachingPlan for Session : Summer 2018

Course : DATA MINING AND WAREHOUSING   **Faculty : kkwankhade - Kapil K.Wankhade**

Unit	Topic Code	Topic Covered	Date	Course	Section
3	20	Mining Multimedia Databases, Mining Text Databases, Mining the World Wide Web	19/01/2018	BCSL414	A
3	21	Revision	23/01/2018	BCSL414	A
4	22	Data Mining Algorithms Concept Description: What is Concept Description?	24/01/2018	BCSL414	A
4	23	Data Generalization and Summarization-Based Characterization	25/01/2018	BCSL414	A
4	24	Mining Descriptive Statistical Measures in Large Databases	30/01/2018	BCSL414	A
4	25	Mining Association Rules: Association Rule Mining, Market Basket Analysis,	31/01/2018	BCSL414	A
4	26	Association Rule classification, The Apriori Algorithm,	01/02/2018	BCSL414	A
4	27	Constraint-Based Association Mining, Sequential mining	02/02/2018	BCSL414	A
4	28	Classification and Prediction: What is Classification and Prediction?	06/02/2018	BCSL414	A
4	29	Data Classification Process	07/02/2018	BCSL414	A
4	30	Issues regarding Classification and Prediction	14/02/2018	BCSL414	A
4	31	Classification by Decision Tree Induction	15/02/2018	BCSL414	A
4	32	Bayesian Classification	16/02/2018	BCSL414	A
4	33	Revision	27/02/2018	BCSL414	A
5	34	Classification, Knowledge Discovery Classification Based on Association Rule Mining	28/02/2018	BCSL414	A
5	35	Other Classification Methods Cluster Analysis: What is Cluster Analysis?	06/03/2018	BCSL414	A
5	36	Types of Data in Cluster Analysis	07/03/2018	BCSL414	A
5	37	A Categorization of Clustering Methods	08/03/2018	BCSL414	A
5	38	Introduction to Knowledge Discovery	09/03/2018	BCSL414	A

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 TeachingPlan for Session : Summer 2018

Course : DATA MINING AND WAREHOUSING   **Faculty : kkwankhade - Kapil K.Wankhade**

Unit	Topic Code	Topic Covered	Date	Course	Section
5	39	innovative techniques for knowledge discovery	09/03/2018	BCSL414	A
5	40	application of those techniques to practical tasks in areas such as fraud detection, scientific data analysis, web mining	15/03/2018	BCSL414	A
5	41	Introduction to huge data sets such as Web, telecommunications networks	15/03/2018	BCSL414	A
5	42	Introduction to huge data sets such as relational databases, object-oriented databases	16/03/2018	BCSL414	A
5	43	other sources of structured and semi-structured data	20/03/2018	BCSL414	A
5	44	Problem of Large Data sets	21/03/2018	BCSL414	A
5	45	Revision	21/03/2018	BCSL414	A
6	46	Recent trends in Data Mining and Warehousing	22/03/2018	BCSL414	A
6	47	Advanced topics & its Application	23/03/2018	BCSL414	A
6	48	Revision	27/03/2018	BCSL414	A

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 TeachingPlan for Session : Summer 2018

Course : E-COMMERCE   **Faculty : nachavan - Ms. Nekita A. Chavan**

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Introduction to electronics-commerce : The scope of E-COM,	05/12/2017	BCSL311	A
1	2	E-COM and trade cycle, electronic market, electronic data interchange	06/12/2017	BCSL311	A
1	3	internet commerce, E-Commerce in perspective	07/12/2017	BCSL311	A
1	4	value chain, supply chains, Electronics Commerce Software : What kind of software solutions	08/12/2017	BCSL311	A
1	5	marketing smarts, hosting services, basic packages, midrange package, enterprise solutions for large firms	12/12/2017	BCSL311	A
1	6	Business to Business Electronics-commerce : Inter-organizational transactions, electronics,	13/12/2017	BCSL311	A
1	7	electronics markets, electronics data interchange (EDI), EDI-technology	14/12/2017	BCSL311	A
1	8	EDI and business,inter organizational e-com.	15/12/2017	BCSL311	A
2	9	Business to consumer electronic commerce : consumer trade transactions, the elements of e-commerce	19/12/2017	BCSL311	A
2	13	internet banking, virtual auctions, on-line share-dealing, e-diversity	02/01/2018	BCSL311	A
2	14	Security threats to E-Commerce : Security overview, intellectual property threats	03/01/2018	BCSL311	A
2	15	electronics commerce threats, CERT (Computer Emergency Response Team) Implementing security for E-COM	09/01/2018	BCSL311	A
3	16	software supplies and support, electronic newspaper, internet banking,	10/01/2018	BCSL311	A
3	17	virtual auctions, on-line share-dealing,	11/01/2018	BCSL311	A
3	18	Security threats to E-Commerce : Security overview,	12/01/2018	BCSL311	A
3	19	intellectual property threats, electronics commerce threats,	16/01/2018	BCSL311	A

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 TeachingPlan for Session : Summer 2018

Course : E-COMMERCE   **Faculty : nachavan - Ms. Nekita A. Chavan**

Unit	Topic Code	Topic Covered	Date	Course	Section
3	20	CERT (Computer Emergency Response Team) Implementing security for E-COM	17/01/2018	BCSL311	A
4	21	protecting E-COM assets, protecting intellectual property	18/01/2018	BCSL311	A
4	22	protecting client computers,	19/01/2018	BCSL311	A
4	23	ensuring transaction integrity,	23/01/2018	BCSL311	A
4	24	Electronics payment system :	24/01/2018	BCSL311	A
4	25	Electronics cash, electronics wallets,	25/01/2018	BCSL311	A
4	26	smart cards, credit and charge cards	30/01/2018	BCSL311	A
4	27	The environment of electronic commerce :	31/01/2018	BCSL311	A
5	28	ethical and tax issues : International nature of electronics commerce	01/02/2018	BCSL311	A
5	29	the legal environment of electronics commerce	02/02/2018	BCSL311	A
5	30	The basics of electronics payment systems.	06/02/2018	BCSL311	A
5	31	protecting E-COM channels	07/02/2018	BCSL311	A
5	32	international legal	08/02/2018	BCSL311	A
6	33	protecting the commerce software	09/02/2018	BCSL311	A
6	34	e-diversity	14/02/2018	BCSL311	A
6	35	taxation and E-COM	15/02/2018	BCSL311	A
6	36	business plans for implementing E-COM	16/02/2018	BCSL311	A
6	37	Planning the E-Commerce project,	23/02/2018	BCSL311	A
6	38	managing electronic commerce implementation.	27/02/2018	BCSL311	A
6	39	Recent trends in electronics-commerce	28/02/2018	BCSL311	A
6	40	Advanced topics	06/03/2018	BCSL311	A

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 TeachingPlan for Session : Summer 2018

Course : E-COMMERCE   **Faculty : nachavan - Ms. Nekita A. Chavan**

Unit	Topic Code	Topic Covered	Date	Course	Section
6	41	Advanced topics	07/03/2018	BCSL311	A
6	42	Advanced topics & its Application.	08/03/2018	BCSL311	A
2	10	elements, e-visibility, the e-shop, online payment, delivering the goods, after sales service, internet e-com security,	20/12/2018	BCSL311	A
2	11	a website evolution mode.e-business : Internet book shops	21/12/2018	BCSL311	A
2	12	grocery supplier, software supplies and support, electronic newspaper	22/12/2018	BCSL311	A

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 TeachingPlan for Session : Summer 2018

Course : ENGINEERING ECONOMICS AND INDUSTRIAL MANAGEMENT

Faculty : ksmukharjee - Dr. Kaustav Shyamal Mukharjee

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Introduction of Subject and its Importance to Engineering, Basics of Economics	06/12/2017	BHUL100	A
1	2	Principles of Management	07/12/2017	BHUL100	A
1	3	scope of management	11/12/2017	BHUL100	A
1	4	Nature of management	12/12/2017	BHUL100	A
1	5	Nature of management	13/12/2017	BHUL100	A
1	6	Planning process	14/12/2017	BHUL100	A
1	7	Advertising Elasticity, Marginalism	18/12/2017	BHUL100	A
1	8	Revision and review session	19/12/2017	BHUL100	A
2	9	Laws of Return and Costs	20/12/2017	BHUL100	A
2	10	Price and output determination under perfect competition	21/12/2017	BHUL100	A
2	11	Monopoly, Monopolistic Competition, Oligopoly	03/01/2018	BHUL100	A
2	12	Depreciation and Methods of its Determination	04/01/2018	BHUL100	A
2	13	Revision and review session	15/01/2018	BHUL100	A
3	14	Functions of Central and Commercial Banks	16/01/2018	BHUL100	A
3	15	Inflation, Deflation, Stagflation	17/01/2018	BHUL100	A
3	16	Direct and Indirect Taxes, Monetary and cycles	18/01/2018	BHUL100	A
3	17	New Economic Policy, Liberalization, Globalization, Privatization	22/01/2018	BHUL100	A
3	18	Market friendly state, Fiscal policy of the Government	23/01/2018	BHUL100	A
3	19	Meaning and phases of Business	24/01/2018	BHUL100	A
3	20	Revision and review session	29/01/2018	BHUL100	A
3	21	Definition, Nature and Scope of Management	30/01/2018	BHUL100	A

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 TeachingPlan for Session : Summer 2018

Course : ENGINEERING ECONOMICS AND INDUSTRIAL MANAGEMENT

Faculty : ksmukharjee - Dr. Kaustav Shyamal Mukharjee

Unit	Topic Code	Topic Covered	Date	Course	Section
4	22	Definition, Nature and Scope of Management	31/01/2018	BHUL100	A
4	23	Functions of Management – Planning, Organizing	01/02/2018	BHUL100	A
4	24	Functions of Management – Directing, Controlling	05/02/2018	BHUL100	A
4	25	Communicating	06/02/2018	BHUL100	A
4	26	Revision and review session	12/02/2018	BHUL100	A
4	27	Meaning of Marketing Management	13/02/2018	BHUL100	A
4	28	Concepts of Marketing	14/02/2018	BHUL100	A
4	29	Marketing Mix	15/02/2018	BHUL100	A
5	30	Administrating and Cost Plus pricing	19/02/2018	BHUL100	A
5	31	Channels of Distribution	27/02/2018	BHUL100	A
5	32	Advertising and Sales Promotion	28/02/2018	BHUL100	A
5	33	Revision and review session	05/03/2018	BHUL100	A
5	34	Meaning, Nature and Scope of Financial Management	06/03/2018	BHUL100	A
5	35	Brief outline of Profit and Loss account	07/03/2018	BHUL100	A
5	36	Balance Sheet	08/03/2018	BHUL100	A
5	37	Budget and their importance	15/03/2018	BHUL100	A
5	38	Ratio analysis, Principles of Costing	19/03/2018	BHUL100	A
5	39	Ratio analysis, Principles of Costing	20/03/2018	BHUL100	A
5	40	Revision +TAE	21/03/2018	BHUL100	A
5	41	Revision	22/03/2018	BHUL100	A

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 TeachingPlan for Session : Summer 2018

Course : LANGUAGE PROCESSOR   **Faculty : knadhe - Karishma Nadhe**

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Introduction to Compilers: Compilers and translators	04/12/2017	BCSL308	A
1	2	Phases of compiler design	05/12/2017	BCSL308	A
1	3	cross compiler, Bootstrapping	07/12/2017	BCSL308	A
1	4	Design of Lexical analyzer	11/12/2017	BCSL308	A
1	5	LEX	12/12/2017	BCSL308	A
2	6	Specification of syntax of programming languages using CFG	14/12/2017	BCSL308	A
2	7	Top-down parser	18/12/2017	BCSL308	A
2	8	Top-down parser	19/12/2017	BCSL308	A
2	9	design of LL (1) parser	21/12/2017	BCSL308	A
2	10	bottom up parsing technique	01/01/2018	BCSL308	A
2	11	LR parsing algorithm	02/01/2018	BCSL308	A
2	12	Design of SLR	08/01/2018	BCSL308	A
2	13	LALR	09/01/2018	BCSL308	A
2	14	CLR parsers	11/01/2018	BCSL308	A
2	15	Study of YACC	15/01/2018	BCSL308	A
3	16	Syntax directed translation: Study of syntax directed definitions	16/01/2018	BCSL308	A
3	17	syntax directed translation schemes	18/01/2018	BCSL308	A
3	18	implementation of SDTS	22/01/2018	BCSL308	A
3	19	intermediate notations: postfix, syntax tree	23/01/2018	BCSL308	A
3	20	TAC	25/01/2018	BCSL308	A
3	21	translation of expression, controls structures, declarations, procedure calls, Array reference	29/01/2018	BCSL308	A

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 TeachingPlan for Session : Summer 2018

Course : LANGUAGE PROCESSOR   **Faculty : knadhe - Karishma Nadhe**

Unit	Topic Code	Topic Covered	Date	Course	Section
4	22	Storage allocation & Error Handling: Run time storage administration	30/01/2018	BCSL308	A
4	23	stack allocation	01/02/2018	BCSL308	A
4	24	symbol table management	05/02/2018	BCSL308	A
4	25	Error detection and recovery: lexical, Syntactic, semantic	06/02/2018	BCSL308	A
5	26	Code optimization: Important code optimization techniques	12/02/2018	BCSL308	A
5	27	loop optimization	13/02/2018	BCSL308	A
5	28	control flow analysis, data flow analysis	15/02/2018	BCSL308	A
5	29	Loop invariant computation	19/02/2018	BCSL308	A
5	30	Induction variable removal	20/02/2018	BCSL308	A
5	31	Elimination of Common sub expression	22/02/2018	BCSL308	A
5	32	Code generation – Problems in code generation	26/02/2018	BCSL308	A
5	33	Simple code generator	27/02/2018	BCSL308	A
5	34	Register allocation and assignment	01/03/2018	BCSL308	A
5	35	Code generation from DAG	05/03/2018	BCSL308	A
5	36	Peephole optimization	06/03/2018	BCSL308	A
6	37	Recent trends in Language Processor	08/03/2018	BCSL308	A
6	38	Compiler tools	15/03/2018	BCSL308	A
6	39	Advanced topics & its Application	19/03/2018	BCSL308	A
6	40	Course Review	20/03/2018	BCSL308	A

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 TeachingPlan for Session : Summer 2018

Course : SOFTWARE ENGINEERING   **Faculty : thkhan - Tabassum Habibullah Khan**

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Software and software engineering	04/12/2017	BITL303	A
1	2	importance of software, software-software myths	07/12/2017	BITL303	A
1	3	software engineering paradigms	08/12/2017	BITL303	A
1	4	generic view of software engineering	11/12/2017	BITL303	A
1	5	software metrics	14/12/2017	BITL303	A
1	6	measures, estimation, risk analysis, scheduling	15/12/2017	BITL303	A
1	7	size oriented metrics	18/12/2017	BITL303	A
1	8	function oriented metrics.	21/12/2017	BITL303	A
2	9	metrics of software quality	22/12/2017	BITL303	A
2	10	Software project estimation and planning, decomposition techniques	28/12/2017	BITL303	A
2	11	LOC and FP estimation,	29/12/2017	BITL303	A
2	12	effect estimation, risk analysis, identification, projection,	01/01/2018	BITL303	A
2	13	assessment, management and monitoring,	08/01/2018	BITL303	A
2	14	software engineering, requirement analysis, tasks	11/01/2018	BITL303	A
2	15	analyst, software prototyping,	12/01/2018	BITL303	A
2	16	specification principles,	15/01/2018	BITL303	A
3	17	representation and the software requirements specification.	18/01/2018	BITL303	A
3	18	Object oriented analysis and data modeling, object oriented concepts, identifying objects, specifying attributes,	19/01/2018	BITL303	A
3	19	defining operations, inter object communication, finalizing object definition, object oriented analysis modeling	22/01/2018	BITL303	A

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 TeachingPlan for Session : Summer 2018

Course : SOFTWARE ENGINEERING   **Faculty : thkhan - Tabassum Habibullah Khan**

Unit	Topic Code	Topic Covered	Date	Course	Section
3	20	data modeling, data objects, attributes and relationships, entity relationship diagrams, alternative analysis techniques	25/01/2018	BITL303	A
3	21	requirement analysis methods, data structure oriented methods	29/01/2018	BITL303	A
3	22	data structured system development	01/02/2018	BITL303	A
4	23	warner diagrams and the DSSD approach, Jackson System development.	02/02/2018	BITL303	A
4	24	Software design fundamentals, The design process, design fundamentals, effective modular	05/02/2018	BITL303	A
4	25	design dataflow oriented design, transform analysis, transaction analysis	12/02/2018	BITL303	A
4	26	design heuristics, object oriented design	15/02/2018	BITL303	A
4	27	object oriented design concepts	16/02/2018	BITL303	A
4	28	object oriented design methods, refining operations,	23/02/2018	BITL303	A
4	29	program components & interfaces, implementation detail design	26/02/2018	BITL303	A
5	30	User interface design, human factors, human computer interface design	01/03/2018	BITL303	A
5	31	interface-design guidelines, interface standards.	02/03/2018	BITL303	A
5	32	human computer interface design, interface-design guidelines, interface standards.	05/03/2018	BITL303	A
5	33	Software quality assurance, software quality factors,	08/03/2018	BITL303	A
6	34	quality assurance, quality matrices,	09/03/2018	BITL303	A
6	35	Halstead's S/W science, software testing techniques,	15/03/2018	BITL303	A
6	36	S/W testing fundamentals, White box testing, blackbox – testing	16/03/2018	BITL303	A
6	37	validation testing, system testing	19/03/2018	BITL303	A

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 TeachingPlan for Session : Summer 2018

Course : SOFTWARE ENGINEERING **Faculty : thkhan - Tabassum Habibullah Khan**

Unit	Topic Code	Topic Covered	Date	Course	Section
6	38	software maintenance debugging	22/03/2018	BITL303	A
6	39	maintenance tasks, reverse engineering and re-engineering	23/03/2018	BITL303	A
6	40	Advance topic	26/03/2018	BITL303	A