Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Even Semester 2021-2022)

Execution Plan

Name of Faculty: Prof. S. D. Malkhede **Subject Code: 3CE05** **Section: A**

Subject Name: Concrete technology & RCC **Semester: III** **Year: Second year**

Sr No	Date	Topics Covered
1	14/09/2021	Introduction to RCC-I , Syllabus
2	16/09/2021	Cement manufacturing
3	16/09/2021	Wet and Dry process
4	17/09/2021	Test on cement
5	21/09/2021	Aggregate, Classification
6	23/09/2021	Test on aggregate
7	24/09/2021	Test on aggregate
8	28/09/2021	fresh concrete
9	30/09/2021	Properties of fresh concrete
10	01/10/2021	Properties of fresh concrete
11	05/10/2021	Properties of hardened concrete
12	07/10/2021	compressive, tensile, strength
13	08/10/2021	creep of concrete
14	12/10/2021	shrinkage of concrete
15	14/10/2021	durability of concrete
16	22/10/2021	laboratory tests on concrete
17	26/10/2021	laboratory tests on concrete
18	28/10/2021	Introduction to Admixtures
19	29/10/2021	Plasticizer, retarder

20	09/11/2021	accelerators, water proofing agents
21	11/11/2021	mineral admixtures, IS code provisions.
22	12/11/2021	Introduction of mix design,
23	26/11/2021	factors governing mix design,
24	30/11/2021	Procedure of mix design,
25	02/12/2021	Numerical on mix design,
26	04/12/2021	Numerical on mix design,
27	07/12/2021	Numerical on mix design,
28	09/12/2021	Numerical on mix design
29	14/12/2021	singly reinforced beam
30	16/12/2021	Numerical on singly reinforced beams
31	17/12/2021	Numerical on singly reinforced beams
32	23/12/2021	Numerical on singly reinforced beams
33	24/12/2021	Doubly reinforced beams
34	28/12/2021	Numerical on Doubly reinforced beams

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Execution Plan

Name of Faculty: S. R. Bhuskade **Subject Code: 7CE03** **Section: C**

Subject Name: Design of Steel Structure **Semester: VII** **Year: Fourth Year**

SR. No.	Date	Topic Covered
1	17/8/2021	Unit I : Basic Introduction
2	18/8/2021	Unit I : Introduction To LSM & WSM
3	23/8/2021	Unit I : Introduction To LSM & WSM-1
4	24/8/2021	Unit I : Introduction To Plastic Analyasis-1
5	25/8/2021	Unit I : Introduction To Plastic Analyasis-2
6	26/08/2021	Unit I : Design of Bolted Connection-1
7	30/8/2021	Unit I : Design of Bolted Connection-2
8	31/8/2021	Unit I : Design of Bolted Connection-3
9	1/9/2021	Unit I : Design of Bolted Connection-4
10	2/9/2021	Unit I : Design of Bolted Connection-5
11	6/9/2021	Unit I : Design of Bolted Connection-6
12	8/9/2021	Unit I : Dsign of Welded Connection-1
13	9/9/2021	Unit I : Dsign of Welded Connection-2
14	14/9/2021	Unit I : Dsign of Welded Connection-3
15	15/9/2021	Unit I : Dsign of Welded Connection-4
16	16/9/2021	Unit I : Dsign of Welded Connection-5
17	20/9/2021	Unit III : Design of Slab Base-1
18	21/9/2021	Unit III : Design of Slab Base-2
19	22/09/2021	Unit III : Design of Slab Base-3
20	23/09/2021	Unit III : Design of Slab Base-4
21	27/09/2021	Unit III : Design of Gusseted Base-1
22	28/09/2021	Unit III : Design of Gusseted Base-2
23	29/9/2021	Unit III : Design of Gusseted Base-3
24	30/9/2021	Unit III : Design of Gusseted Base-4
25	4/10/2021	Unit IV : Design of Simple Beam-1
26	5/10/2021	Unit IV : Design of Simple Beam-2

27	7/10/2021	Unit IV : Design of Simple Beam-3
28	14/10/2021	Unit IV : Design of Simple Beam-4
29	18/10/2021	Unit IV : Design of Compound Beam-1
30	20/10/2021	Unit IV : Design of Compound Beam-2
31	21/10/2021	Unit IV : Design of Compound Beam-3
32	25/10/2021	Unit IV : Design of Compound Beam-4
33	26/10/2021	Unit II : Design of Tension Member-1
34	27/10/2021	Unit II : Design of Tension Member-2
35	28/10/2021	Unit II : Design of Tension Member-3
36	8/11/2021	Unit II : Design of Compression Member-1
37	9/11/2021	Unit II : Design of Compression Member-2
38	10/11/2021	Unit III : Design of Column-1
39	11/11/2021	Unit III : Design of Column-2

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Execution Plan

Name of Faculty: Prof. S.V.Dharpal **Subject Code: 3CE03** **Section: B**

Subject Name: BCM&EG **Semester: III** **Year: Second Year**

Sr. No	Date	Topics Covered
1	14/09/2021	Introduction: Definition, types of buildings as per national building code, components of buildings and their functions,
2	16/09/2021	Types of structure - load bearing & framed structures.
3	17/09/2021	Foundation: Definition and necessity, loads of foundation, Bearing Capacity soil, field methods of improving bearing capacity.
4	21/9/2021	Types of foundation - shallow foundation and Types of Shallow foundation.
5	23/092021	Causes of failure of foundations and precautions to be taken.
6	24/09/2021	Masonry: Classification of bricks, manufacturing of bricks, tests on bricks.
7	28/09/2021	bricks, properties of burnt bricks, fly ash bricks, ALC Blocks.
8	30/09/2021	Brick masonry construction - Technical terms, general principles, commonly used types of bonds such as stretcher, header, English bond and Flemish bond, their suitability.
9	1/10/2021	Formwork: Different types, their relative merits, demerits, period for removal of formwork for different members.
10	5/10/2021	Earthquake resistant bands in Masonry- Types, location and application.
11	7/10/2021	Floors: Types of Floors ± Basement floor, ground floor and upper floors,

12	8/10/2021	floors, Floor finishes ± Types of flooring material, different types of floor finishes, suitability,
13	12/10/2021	Method of construction, criteria for selection. Roofs- Flat, pitched roof, steel roof trusses- types and suitability,
14	14/10/2021	Arches, lintels ± Types and their
15	7/10/2021	Details of R.C.C. lintels. chajja, precast lintels arches.
16	22/10/2021	Doors: Purpose, criteria for location, size of door, door frames.; its types, methods of fixing,
17	26/10/2021	Types of door shutters and their suitability,
18	28/10/2021	Windows -Purpose, criteria for location, no., sizes; shapes of Windows, types of
19	29/10/2021	Ventilators - Types and their suitability.
20	9/11/2021	Fixtures & fastening for doors and windows.
21	11/11/2021	Stairs- Function, technical terms, criteria for location, types of staircases, their suitability,
22	12/11/2021	Principle of stair layout design.
23	26/11/2021	Plastering - Necessity, types, processes of different types of plastering, defects in plastered work.
24	30/11/2021	Scaffolding ± Purpose, types and suitability.
25	4/12/2021	Special Aspects of Construction ± Damp proofing ± causes of dampness, its effects, and various methods of damp proofing.
26	7/12/2021	Fire proof construction -Fire protection requirements for a multistoried building.
27	9/12/2021	Sound proof Construction -Sound absorbents and their characteristic.
28	14/12/2021	Expansion & construction joints in building.
29	16/12/2021	Introduction - Different branches of Geology and importance of Geology in Civil Engineering.

30	31/12/2021	Folds, faults, joints in Geology.
31	17/12/2021	Geology. Geological studies related to site selection for dams and reservoirs.
32	23/12/2021	Petrology - rock cycle, rock Weathering.
33	24/12/2021	Soil formation, study of common rock types.
34	28/12/2021	Earthquake Engineering - earthquake waves, causes and effects.
35	30/12/2021	Magnitude and intensity of earthquake.
36	31/12/2021	Earthquake zones of India.

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Execution Plan

Name of Faculty: Prof. P.S.Pajgade Subject Code:7CE03 Section: A

Subject Name: Design of steel Structures Semester: VII Year: Final Year

S N	Date	Topic
1	17/08/2021	Introduction
2	18/08/2021	Introduction
3	20/08/2021	Introduction
4	23/08/2021	shear stress distriution
5	24/08/2021	Testing for ductility
6	27/08/2021	Plastic design
7	30/08/2021	Working stress method
8	31/08/2021	Limmit stress method
9	01/09/2021	Load combination
10	03/09/2021	Partial safety factor
11	06/09/2021	BOLTED JOINT
12	08/09/2021	BOLTED JOINT
13	14/09/2021	BOLTED JOINT
14	15/09/2021	BOLTED JOINT
15	17/09/2021	BOLTED JOINT
16	20/09/2021	BOLTED JOINT
17	21/09/2021	Block shear
18	22/09/2021	WELDING
19	24/09/2021	compression member
20	27/09/2021	compression member
21	28/09/2021	compression member
22	29/09/2021	compression member
23	01/10/2021	compression member
24	04/10/2021	laced column
25	05/10/2021	laced column
26	08/10/2021	Doule angle section for column
27	18/10/2021	Design of tension member
28	20/10/2021	Design of tension member
29	22/10/2021	Roof truss
30	25/10/2021	Roof truss
31	26/10/2021	Roof truss
32	29/10/2021	Roof truss
33	08/11/2021	Slab Base
34	09/11/2021	Slab Base
35	10/11/2021	Gusseted base
36	12/11/2021	Content Beyond Syllabus
37	22/11/2021	Design of beam
38	23/11/2021	Design of beam
39	24/11/2021	Design of beam
40	26/11/2021	Design of beam
41	29/11/2021	Design of beam

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Execution Plan

Name of Faculty: Prof. P. V. Kolhe Subject Code: 7CE02 (CGS) Section: C

Subject Name: Geotechnical Engineering – II Semester: VII Year: Final Year

Sr. No.	Date	Topics Covered
1	17/08/2021	**Unit I:** Field exploration, objectives and methods of exploration
2	20/08/2021	Planning of exploration programme soil boring
3	23/08/2021	Hand augers, percussion boring, rotary wash boring, collection of sample
4	24/08/2021	Split spoon sampler, area ratio, disturbed and undisturbed sample
5	26/08/2021	SPT test, field vane shear test,
6	30/08/2021	Geophysical methods, electrical resistivity and soil refraction methods
7	31/08/2021	Soil log bore presentation and interpretation exploration data. Ground improvement techniques
8	01/09/2021	Numericals
9	04/09/2021	Numericals
10	04/09/2021	**Unit II:** Bearing capacity and concept of local and general shear failure
11	14/09/2021	Terzaghi's and Skempton's Theory of BC
12	16/09/2021	Meyerhof's and BIS method for bearing capacity
13	17/09/2021	Determination bearing capacity of granular soils based on SPT value
14	21/09/2021	Concept of raft foundation and floating foundation
15	23/09/2021	In situ methods of evaluation of bearing capacity
16	24/09/2021	Plate load test, static cone penetrometer
17	28/09/2021	Pressure meter test contact pressure distribution diagram below the base of footing
18	29/09/2021	Numericals

19	01/10/2021	**Unit III:** Earth pressure at rest, general & local Stages of plastic equilibrium, Rankine's and coulomb's theory of active and passive earth pressure on retaining wall
20	07/10/2021	Influence of surcharge, water table, wall friction
21	08/10/2021	Rebhann's and Culmann's simple graphical methods
22	10/10/2021	Introduction to sheet pile and bulkhead and their classifications
23	13/10/2021	(No design criteria) Cofferdam purpose, various types and their suitability.
24	14/10/2021	Numericals
25	26/10/2021	Numericals
26	27/10/2021	**Unit IV:** Classification of piles and their uses
27	14/11/2021	Static analysis
28	15/11/2021	Dynamic analysis
29	17/11/2021	Piles in group and their capacity, group efficiency, factors affecting group efficiency
30	18/11/2021	Behaviour of group of pile in sandy and in clayey soil, pile load test, effect of pile cap
31	20/11/2021	Criteria for spacing and depth of piles. IS design criterion for undereamed Pile in clay and sands
32	23/11/2021	Numericals
33	24/11/2021	**Unit V:** Immediate, primary and secondary settlement for footing resting on homogenous isotropic, cohesive and cohesion less soils related to single footing, combined footing, & raft foundation etc
34	25/11/2021	Concept of differential settlement factors and causes for differential settlement, BIS requirement for total as well as differential settlement
35	26/11/2021	Proportioning of footing for uniform settlement
36	27/11/2021	Computation of total and differential settlement of a single pile and group of piles in sandy and clayey soil.
37	04/12/2021	**Unit VI:** Component & their function, sinking of well, types of force system, and their computation
38	05/11/2021	Design criteria for various components of wells

39	07/12/2021	Tilting and shifting Bearing capacity of well as per BIS.
40	09/12/2021	Stability analysis of infinite and finite slope, causes of failure of slopes
41	12/12/2021	Stability analysis of infinite and finite slope in cohesive and non-cohesive soils

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Execution Plan

Name of Faculty: Prof. P.S.Deshmukh **Subject Code: 3CE02** **Section: C**

Subject Name: BBC **Semester: III** **Year: Second Year**

Sr. No.	Day	Topic Covered
1	27-08-2021	Unit 1: Introduction
2	28-08-2021	components of buildings and their function
3	03-09-2021	Types of foundation
4	04-09-2021	Types of foundation
5	10-09-2021	Unit-II :Stone Masonry
6	11-09-2021	Brick Masonry Construction
7	17-09-2021	types of bonds
8	18-09-2021	types of bonds
9	24-09-2021	Unit-III: Floors
10	25-09-2021	Floor Finishes
11	08-10-2021	Method of construction
12	09-10-2021	Roofs
13	22-10-2021	Roofs
14	23-10-2021	Unit IV: Door
15	29-10-2021	types of windows and their suitability
16	30-10-2021	Arches and Lintels -
17	12-11-2021	Unit-V:Stairs-
18	13-11-2021	types of staircases and their suitability.
19	20-11-2021	Plastering and Pointing
20	26-11-2021	Painting and Coloring
21	27-11-2021	Unit VI: Special Aspects of Construction, Damp proofing-
22	03-12-2021	Fire proof construction
23	04-12-2021	Sound proof construction
24	10-12-2021	Joints
25	11-12-2021	Joints

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Execution Plan

Name of Faculty: Prof. P.S.Deshmukh **Subject Code: 7CE04** **Section: C**

Subject Name: ACT **Semester: VII** **Year: Final Year**

Sr. No.	Day	Topic Covered
1	27-10-2021	Unit 1: : Admixtures and construction chemicals:
2	30-10-2021	plasticizers
3	01-11-2021	superplasticizers
4	02-11-2021	IS code provisions for admixtures.
5	03-11-2021	Unit 2: Durability of concrete:
6	06-11-2021	significance of durability
7	08-11-2021	IS code provisions for durability of concrete
8	09-11-2021	Interaction between permeability, volume change and cracking.
9	10-11-2021	Unit 3: : Introduction, deformation of concrete in Indian climate, permeability, interaction
10	13-11-2021	permeability, volume change and cracking
11	15-11-2021	controlling measures
12	16-11-2021	Unit 4: Special concrete and concreting techniques
13	17-09-2021	special concrete,
14	20-09-2021	Introduction to special concreting techniques
15	22-09-2021	Introduction to special concreting techniques
16	23-09-2021	Unit 5: Repairs and rehabilitations
17	24-09-2021	need for repairs, crack width, construction chenuicals
18	01-10-2021	polymer modified mortar, bond aid for plasters
19	04-10-2021	protective and decorative coatings, injection grout for cracks
20	06-10-2021	Unit 6: Non-destructive testing of concrete
21	07-10-2021	Rebound number and strength of concrete, penetration technique
22	25-10-2021	Introduction to precast concrete
23	27-10-2021	Type of structure, various precast element and their uses, types of connection.

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Execution Plan

Name of Faculty: Prof. Ms. S. C. Sagane **Subject Code: 7CE01** **Section: C**

Subject Name: Theory of Structures - II **Semester: VII** **Year: Final Year**

Sr. No.	Date	Topics Covered
1	17/08/2021	**Unit-I :** Moment distribution method, application to portal frames with sway
2	18/08/2021	Multibay, multistoried, symmetrical frames subjected to symmetric loads
3	20/08/2021	Problem 3
4	23/08/2021	Problem 4
5	24/08/2021	Problem 5
6	25/08/2021	Problem 6
7	27/08/2021	Problem 7
8	30/08/2021	Slope deflection method: Application to portal frames with side sway.
9	31/08/2021	Problem 1
10	01/09/2021	Problem 2
11	02/09/2021	Problem 3
12	03/09/2021	Problem 4
13	06/09/2021	**Unit-II :** 1. Kani's method: Continuous beams
14	08/09/2021	single bay single storey portal frames with side sway
15	09/09/2021	Multi- bay
16	14/09/2021	multi storeyed frames subjected to symmetric loads Problem 1
17	15/09/2021	multi storeyed frames subjected to symmetric loads Problem 2

18	16/09/2021	multi storeyed frames subjected to symmetric loads Problem 3
19	17/09/2021	multi storeyed frames subjected to symmetric loads Problem 4
20	20/09/2021	multi storeyed frames subjected to symmetric loads Problem 5
21	21/09/2021	**Unit-III :** Castigliano's second theorem, principle of least work
22	22/09/2021	Analysis of redundant frames. (upto two degree redundancy) Problem 1
23	24/09/2021	Analysis of redundant frames. (upto two degree redundancy) Problem 2
24	27/09/2021	Analysis of redundant frames. (upto two degree redundancy) Problem 3
25	28/09/2021	Analysis of redundant frames. (upto two degree redundancy) Problem 4
26	29/09/2021	Analysis of redundant trusses (up to second degree of redundancy). Problem 1
27	30/09/2021	Analysis of redundant trusses (up to second degree of redundancy). Problem 2
28	01/10/2021	Analysis of redundant trusses (up to second degree of redundancy). Problem 3
29	04/10/2021	**Unit-IV:** 1. Muller - Breslau's principle
30	05/10/2021	Influence line diagrams for continuous beams, upto two span with simple end supports
31	07/10/2021	Tension coefficient method & its applications to simple space trusses Problem 1
32	08/10/2021	Tension coefficient method & its applications to simple space trusses Problem 2
33	18/10/2021	Tension coefficient method & its applications to simple space trusses Problem 3
34	20/10/2021	Tension coefficient method & its applications to simple space trusses Problem 4

35	21/10/2021	**Unit-V :** Flexibility method, static redundancy, flexibility coefficients
36	22/10/2021	compatibility condition application to beams
37	25/10/2021	Introduction to plastic analysis of steel structure, shape factor, plastic section modulus
38	26/10/2021	upper and lower bound theorems
39	27/10/2021	collapse loads for beams
40	29/10/2021	collapse loads for single bay
41	08/11/2021	collapse loads for single storey portals
42	09/11/2021	**Unit-VI :** Stiffness method
43	10/11/2021	kinematic redundancy
44	12/11/2021	stiffness coefficients, direct stiffness approach
45	22/11/2021	application to continuous beams Problem 1
46	23/11/2021	application to continuous beams Problem 2
47	24/11/2021	application to continuous beams Problem 3
48	26/11/2021	single – bay Problem 1, 2

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Execution Plan

Name of Faculty: Dr. G. R. Bamnote Subject Code: 4KS01 Section: A
Subject Name: AI Semester: IV Year: Second Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14.03.22	12.00 -	Unit-I : A.I. Introduction.		
2	15.03.22	12.00	AI need, future		
3	17.03.22	11-12.00	AI Approaches.		
4	22.03.22	2.30-3.30	AI foundation		
5	23.03.22	2.30-3.30	State of Art		
6	29.03.22	4.30-5.30	Intelligent Agent.		
7	30.03.22	3:30-4.30	Rationality, Nature of Environment		
8	31.03.2022	12-1.00	Nature of Environment,		
9	5.04.2022	3.30-4.30	Structure of Agent		
10	6.04.2022	3:30-4.30	Agent types, Components of agent progr		
11	7.04.2022	12.30-1.30	Problem Solving, Production System		
12	12.04.2022	3.30-4.30	Examples.		
13	13.04.2022	2.30-3.30	Water Jug problem, 8 Puzzle Problem		
14	18.04.2022	8.30-9.30	Test		
15	21.04.2022	10.30-11.30	Missionary & Cannibals, Hamiltonian ci- Nature of AI problem		
16	26.04.2022	10.00-11.00	Unit III: Uninformed Search.		
17	28.04.2022	10 a	Problem Solving, Example problem		
18	29.04.2022	9-10	BFS		
19	6.05.2022	9-10	Example. DFS, Depth Limited Search.		
20	12.05.2022	9-10	Iterative deepening search, Bidirectional Se		
21	13.05.2022	9-10	Unit IV: Heuristic Search, Informed.		
22	18.05.2022	9-10	Best First Search, Greedy Algo, A* Alg.		
23	19.05.2022	9-10	AO* Algorithm, AND OR		
24	20.05.2022	9-10	Hill climbing Algo		

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Department of Computer Science & Engineering
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Execution Plan

Name of Faculty: Prof. Ms. R. A. Meshram Subject Code: 4KS02 Section: A

Subject Name: DCN Semester: IV Year: Second Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	16/03	1:30 to 2:30	Unit I : Introduction to Data Comm?	UR	
2	14/03	2:30 to 3:30	Data flow, topologies of Network	UR	
3	16/03	11 to 12	Types of NIW, Internet standards.	UR	
4	17/03	1 to 2	Network Model, OSI Model	UR	
5	21/03	11 to 12	Encapsulation and Decapsulation	UR	
6	21/03	3:30 to 4:30	Addressing, OSI vs TCP/IP	UR	
7	22/03	12 to 1	Transmission media, switching techniques	UR	
8	24/03	1:30 to 2:30	Unit II : Introduction to Datalink layer	UR	
9	25/03	12 to 1	error detection and Correction	UR	
10	31/03	11 to 12	CRC error detection	UR	
11	31/03	1:30 to 2:30	Checksum, framing character oriented	UR	
12	01/04	12 to 1	Datalink Control Protocol, HDLC	UR	
13	05/04	1 to 2	PPP, Media Access Protocol, Random	UR	
14	07/04	11 to 12	Control, channelization, ARP details.	UR	
15	08/04	11 to 12	Unit III : Introduction to Network layer	UR	
16	11/04	2:30 to 3:30	IPv4 Addressing, Classful & classless	UR	
17	12/04	1 to 2	Network Address Translation, DHCP	UR	
18	21/04	8 to 9	DHCP, forwarding packets.	UR	
19	25/04	11:30 to 12:30	IP forwarding based on Destination & Label	UR	
20	01/05	11:30 to 12:30	Unit IV : IPv4 datagram format, fragmentation	UR	
21	17/05	11 to 12	Mobile IP, Routing Algorithms	UR	
22	18/05	10 to 11	IPV6 datagram, transition from IPv4 to IPv6	UR	
23	19/05	8 to 9	Unit V : Transport layer, Simple Protocol	UR	
24	19/05	9 to 10	SR, GBN, Stop & wait protocol, piggybacking	UR	
25	20/05	8 to 9	TCP, UDP, SCTP.	UR	

HEAD
Department of Computer Science & Engg.
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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	20/07	9 to 10	Unit VI: Application layer, WWW, HTTP	HR.	
27	21/05	8 to 9	FTP, SMTP, POP3, MIME, IMAP4	AR.	
28	21/05	9 to 10	Network managment, SNMP, ASN.1	AR.	
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Department of Computer Science & Engineering
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Execution Plan

Name of Faculty: Prof. A. A. Chaudhari | Subject Code: 4KS03 | Section: A
Subject Name: OS | Semester: IV | Year: Second Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1.	14/3/22	11.00-12.00	Unit I: Introduction to OS, Need & Importance	AChaudhari	
2.	15/3/22	11.00-12.00	Process, Program & its States.	AChaudhari	
3.	16/3/22	2.30-3.30	Process control Block	AChaudhari	
4.	17/3/22	11.00-12.00	Co-operating & Non-Cooperating Process	AChaudhari	
5.	21/3/22	11.00-12.00	Types of Schedulers.	AChaudhari	
6.	23/3/22	2.30-3.30	Preemptive & Non-Preemptive Scheduling	AChaudhari	
7.	28/3/22	2.30-3.30	Unit II: Need of Scheduling	AChaudhari	
8.	29/3/22	1.00-2.00	FCFS, Scheduling Algorithm	AChaudhari	
9.	30/3/22	2.30-3.30	SJF - Preemption Algorithm.	AChaudhari	
10.	31/3/22	1.30-2.30	SJF - Non Preemption Algorithm.	AChaudhari	
11.	4/4/22	2.30-3.30	Round Robin Scheduling Algo.	AChaudhari	
12	6/4/22	2.30-3.30	Multi-level Feedback Algorithm.	AChaudhari	
13	11/4/22	3.30-4.30	Revision & Practice: Scheduling Algo.	AChaudhari	
14	12/4/22	3.30-4.30	Unit III: Process Synchronization: Intro	AChaudhari	
15	25/4/22	10.00-11.00	Critical Section Problem	AChaudhari	
16	26/4/22	12.30-1.30	Two Variable Soln: Turn Variable	AChaudhari	
17	27/4/22	11.30-12.30	Two Variable/Process Soln (Flag)	AChaudhari	
18	27/4/22	12.30-1.30	Petersons Solution, Deadlock	AChaudhari	
19	28/4/22	8.00-9.00	Deadlock Avoidance, Detection Tech.	AChaudhari	
20	29/4/22	10.30-11.30	Deadlock Recovery, RAG (Deadlock)	AChaudhari	
21	29/4/22	11.30-12.30	Unit IV: Memory Management: Intro	AChaudhari	
22	5/4/22	12.30-1.30	Memory Address Translation	AChaudhari	
23	5/4/22	1.30-2.30	Access, Time, Cost & Size of Memory	AChaudhari	
24	5/4/22	11.30-12.30	Contigeous & Non Contigeous Mem	AChaudhari	
25	6/5/22	8.00-9.00	Fixed Sized & Variable Size	AChaudhari	

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	6/5/22	10.30-11.30	Paging	Akandhare	
27	6/5/22	11.30-12.30	Numerical Memory Address	Akandhare	
28	7/5/22	8.00-9.00	Demand Paging, Revision Numerical	Akandhare	
29	7/5/22	9.00-10.00	Unit V: I/O Systems: Intro	Akandhare	
30	7/5/22	10.00-11.00	File Systems & Implementation	Akandhare	
31	13/5/22	9.00-10.00	I/O Operations, Directory Structure	Akandhare	
32	17/5/22	9.30-10.30	Important Question (Unit-V)	Akandhare	
33	20/5/22	10.00-11.00	Unit VI: Disk Scheduling Numerical	Akandhare	
34	20/5/22	11.00-12.00	Raid levels, Revision	Akandhare	

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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Even Semester 2021-2022)

Execution Plan

Name of Faculty: Prof. S. P. Akarte **Subject Code: 4KS04** **Section: A**

Subject Name: M&ALP **Semester: IV** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	15/3/22	2.30 to 3.30	Basic of Computers		
2	16/3/22	12.00 to 1.00	Various components of Computer & their working		
3	22/3/22	1.30 to 2.30	Different types of Interfaces to motherboard		
4	24/3/22	3.30 to 4.30	Memory organization		
5	25/3/22	2.30 to 3.30	Instruction Set & Execution		
6	28/3/22	1.00 to 2.00	Internal structure of 8086		
7	29/3/22	3.30 to 4.30	BIU & EU Architecture		
8	3/4/22	2.30 to 4.30pm	Memory organization		
9	4/4/22	1.00 to 2.00	Memory Space Management		
10	5/4/22	4.30 to 5.30	Data types of 8086/8088		
11	7/4/22	12.00 to 1.00	Registers of 8086/8088		
12	8/4/22	2.30 to 3.30	Status/Flag registers		
13	11/4/22	3.30 to 4.30	Number System		
14	21/4/22	9.00 to 10.00	Addressing Modes		
15	26/4/22	11.30 to 12.30	Addressing Modes Contd		
16	28/4/22	10.30 to 11.30	Direct addressing modes		
17	29/4/22	8.00 to 9.00	Memory addressing modes		
18	4/5/22	10.30 to 11.30	Instructionset MOV, XCHG		
19	4/5/22	11.30 to 12.30	Instruction format		
20	5/5/22	8.30 to 9.00	MOV, XCHG, Instruction		
21	5/5/22	9 to 10	Arithmetic, logical Instruction		
22	9/5/22	10 to 11	conditional Jump instruction with Ex		
23	10/5/22	10 to 11	Unit IV Stack & related instruction		
24	12/5/22	8 to 9	Macros, Procedure Examples		
25	13/5/22	8 to 9.00	I/o devices		

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Execution Plan

Name of Faculty: Prof. Ms. K. R. Hole **Subject Code: 4KS05** **Section: A**

Subject Name: TOC **Semester: IV** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14/3	12-1	Unit I :- Introduction	KH	
2	15/3	1·30-2·30	FA examples	KH	
3	16/3	1·30-2·30	DFA - Ends with	KH	4/3/22
4	22/3	11-12	DFA - Substring	KH	
5	23/3		DFA - starts with	KH	
6	24/3	1·30-2·30	DFA - Not including	KH	
7	25/3	11-12	General DFA, Even-odd	KH	
8	28/3	3·30-6·30	NFA	KH	
9	29/3	3·30-4·30	NFA with ∈ into NFA without ∈	KH	
10	30/3	1·30-2·30	NFA into DFA	KH	
11	01/4	11-12	Mealy to Moore m/c, Moore to Mealy	KH	
12	04/4	3·30-4·30	Regular Expression :- Unit II	KH	
13	05/4	2·30-3·30	FA into RE	KH	
14	06/4	1·30-2·30	RE into NFA with ∈	KH	
15	08/4	12-1	RE into NFA without ∈	KH	
16	11/4	12-1	Regular Grammer	KH	
17	12/4	12-1	Pumping lemma	KH	
18	25/4	10·30-11·30	Unit III: Context free Grammer	KH	
19	27/4	11·30-12·30	Derivation Tree, Ambigious Grammer	KH	
20	9/5	12·30-1·30	Removing useless, null & unit productions	KH	
21	10/5				
22	10/5				

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Prof. Swapna Choudhari (Even Semester 2021-2022)

swapna **Execution Plan**

Name of Faculty: Prof. **Subject Code: 4ES06** **Section: A**

Subject Name: EVS **Semester: IV** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1)	31/03/22	2.30-3.30	Natural Resources	SN	?
2)	1/04/22	1.30-2.30	Brodiversity & its conservation	SN	
3)	7/04/22	2.30-3.30	Air pallution types	SN	
4)	8/04/22	1.30-2.30	water pallution types	SN	
5)	21/04/22	11.30-12.30	Ecasystem (foodchain & foodweb)	SN	
6)	22/04/22	10.30-11.30	Ecological Succession	SN	
7)	28/04/22	11.30-12.30	Test	SN	
8)	29/04/22	10.30-11.30	process of Ecological succession	SN	
9)	5/5/22	11.30-12.30	Solidwaste management	SN	
10)	6/5/22	10.30-11.30	Natural Disaster	SN	
11)	12/5/22	11.30-12.30	Social issues & envt	SN	

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Department of Computer Science & Engineering
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Execution Plan

Name of Faculty: Prof. Ms. S. G. Taley **Subject Code: 4KS01** **Section: B**

Subject Name: AI **Semester: IV** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1.	15-3-22	11-12	Unit I: Introduction to AI	Taley	
2.	16-3-22	12-1	Foundation of AI, History of AI	Taley	
3.	23-3-22	11-12	State of Art, Risk & Benefits of AI	Taley	
4.	24-3-22	1:30-2:30	Rationality & Task Environment	Taley	
5	25-3-22	12-1	Agent Architecture	Taley	
6.	29-3-22	1-2	Nature of Environment and	Taley	
7	31-3-22	2:30-3:30	structure of Agents	Taley	
8	1-4-22	11-12	Unit II: Problem solving introduction	Taley	
9.	4-4-22	3:30-4:30	Representation of AI Problem, Prod^n sys	Taley	
10	5-4-22	1-2	Algorithm of Problem solving	Taley	
11.	7-4-22	2:30-3:30	8-Queens, Tower of Hanoi, Missionary Cannibals	Taley	
12	8-4-22	11-12	Travelling salesman, Magic square, cryptarithmetic	Taley	
13	12-4-22	1-2	Nature of AI Problems	Taley	
14	19-4-22	10-11	Unit III: Problem solving Agents Problem types	Taley	
15	21-4-22	11:30-12:30	Search Algorithm, searching for solution	Taley	
16	22-4-22	8-9	search strategies, Breadth-first search	Taley	
17	26-4-22	10-11	Depth-first search, depth limited, deepening Iterative	Taley	
18	28-4-22	11:30-12:30	Uniform cost search, Bidirectional search	Taley	
19	29-4-22	8-9	Unit IV: Heuristic search & knowledge, heuristic fun	Taley	
20	4-5-22	9-10	generate & Test, Best first search, Prob Red^n	Taley	
21	5-5-22	10-11	Hill climbing, constraint satsf^n, Means-End	Taley	
22	6-5-22	8-9	Unit V: Game theory, optimal decision	Taley	
23	10-5-22	10-11	Mini max search, Alpha Beta Pruning	Taley	
24	12-5-22	10-11	Monte carlo tree search, stochastic games	Taley	
25	13-5-22	8-9	Partially observable game, limitations	Taley	

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	17-5-22	10-11	Unit VI - Introduction, Types of knowledge	Taley	
27	19-5-22	10-11	Knowledge represn, storage, acquisition	Taley	
28	20-5-22	8-9	Knowledge organizn, mgnt, Basic concept of knowledge Engineering	Taley	

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Execution Plan

Name of Faculty: Prof. A. R. Mune Subject Code: 4KS02 Section: B

Subject Name: DCN Semester: IV Year: Second Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1)	14/03/22	1:30 2:30	UNIT-1 :- Intro to Data comm		
2)	15/03/22	2:30 3:30	components, Network, Network types.		
3)	17/03/22	01:30 2:30	Switching, The Internet		
4)	22/03/22	11:00 12:00	Standards & administration		
5)	24/03/22	11:00 12:00	TCP/IP, The OSI model,		
6)	25/03/22	11:00 12:00	Transmition media, Switching Technique		
7)	28/03/22	2:30	UNIT:-4 Intro to DCN, Link Nodes		
8)	29/03/22	11:00 12:00	Two sub category Error detection		
9)	31/03/22	11:00 12:00	Block coding, cyclic coding, CRC		
10)	01/04/22	8:30	forward error connection		
11)	04/04/22	2:30	Data link control :- DLC services		
12)	05/04/22	11:00	DLC Protocol, HDLC		
13)	11/04/22	2:30	Point to point protocol		
14)	12/04/22	11:00	MAC, Random Access, channelization		
15)	21/04/22	10:30	UNIT:-3 :- Network layer services		
16)	25/04/22	10:30	Datagram approach, Virtual circuit approach		
17)	26/04/22	8:00	IPV4 :- Addressing classless		
18)	28/04/22	10:30	classful addressing		
19)	05/05/22	10:30	IPV4, DHCP, IP forwarding		
20)	09/05/22	10:00	Unit-4 :- Network layer Intro IPV4		
21)	10/05/22	08:00	ICMPV4, mobile IP		
22)	13/05/22	09:30	Routing algorithm		
23)	17/05/22	08:00	UNIT:5 Transport layer:- Intro, services		
24)	19/05/22	08:00	Protocols, TCP services		
25)	20/05/22	09:00	UDP services		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
20)	21/05/22	10:00	UNIT - 6 Intro network layer		
21)	21/05/22	11:00	www. SNMP, Email. Asp		

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Execution Plan

Name of Faculty: Prof. R. R. Karwa Subject Code: 4KS03 Section: B

Subject Name: OS Semester: IV Year: Second Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14/3/22	12:30-1:30	Introduction to OS, Services, Components	RK	
2	16/3/22	2:30-3:30	Process, Types of OS, Process State	RK	
3	17/3/22	1-2	Process Scheduler, Queuing Diagram	RK	
4	21/3/22	1:30-2:30	PCB, Scheduling algo - FCFS	RK	
5	21/3/22	2:30-3:30	Scheduling algo - SJF P+NP	RK	
6	22/3/22	12-1	Round Robin Algo - Preempt	RK	
7	23/3/22	3:30-4:30	Priority Scheduling - P+NP	RK	
8	28/3/22	1-2	Scheduling Numerical, Multilevel feedback	RK	
9	29/3/22	12-1	System calls, Process Operation	RK	
10	30/3/22	11-12	Threads, Threading Model.	RK	
11	04/4/22	1:30-2:30	Process Synchronization.	RK	
12	05/4/22	12-1	Critical Section, Bounded buffer	RK	
13	6/4/22	1:30-2:30	Algorithms - Semaphore.	RK	
14	7/4/22	1:30-2:30	Algorithm - Monitor	RK	
15	11/4/22	1-2	Deadlock introduct-	RK	
16	12/4/22	12-1	Deadlock - Properties, RAG	RK	
17	25/4/22	10-11	Deadlock - RAG, Data structr	RK	
18	27/4/22	10:30-11:30	Deadlock Numerical - Bankers	RK	
19	5/5/22	10:30-11:30	Deadlock - Resource Request	RK	
20	9/5/22	11:30-12:30	Memory Mgmt - Introduction	RK	
21	10/5/22	11-12	Address Binding, Loading	RK	
22	11/5/22	10:30-11:30	Paging	RK	
23	11/5/22	11:30-12:30	Segmentation	RK	
24	17/5/22	8:40-9:30	Thrashing, Virtual memory	RK	
25	18/5/22	8:40-9:30	File system Interface.	RK	

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	S
26	19/5/22	11 to 11:45	Disk Scheduling Algorithms.		
27	20/5/22	10:30-11:15	Swap Space, RAID.		

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Execution Plan

Name of Faculty: Prof. Ms. P. N. Deshmukh **Subject Code: 4KS04** **Section: B**

Subject Name: M&ALP **Semester: IV** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14/3/22	8.30to3.30	Unit 1: Introduction of 8086 up		
2	15/3/22	12to1.00	Aechitechture of 8086 up		
3	16/3/22	1.30to230	physical address generation with Eg.		
4	21/3/22	3.45to6.45	8086 up flag register		
5.	24/3/22	2.30to3.30	8086 up Pin Diagram		
6.	30/3/22	1.30to2.30	Software Model for 8086 up		
7.	31/3/22	12to1.00	Memory Organization in 8086 up. & data type in 8086up		
8.	1/4/22	12to1.00	Unit II : Addressing Mode in 8086		
9.	6/4/22	11to12.00	Examples on Addressing mode in 8086		
10	7/4/22	11to12	Examples on addressing mode in 8086		
11	6/4/22	12to1	Instruction Set of 8086 up		
12	21/4/22	8to9	Arithmetic group of instruction		
13.	21/4/22	9to10	Substraction, multiplication division instruction		
14.	22/4/22	9to10	Instruction format of 8086 up		
15.	27/4/22	9to10	Unit III :- Shift & Rotate instruction		
16.	28/4/22	8to9.	Logical instruction in 8086		
17.	29/4/22	9to10	Branching group of instructions in 8086		
18	5/5/22	8to9	loop & flag ~~manu~~ instruction with eg.		
19.	5/5/22	9to10	flag manipulation instruction with eg.		
20	6/5/22	9to10	Unit III :- Programming an alp ~~up~~ 8086 up		
21	10/5/22	9to10 ~~1.30to2.30~~	Subroutine in 8086 up.		
22.	12/5/22	11.30to12.30	Macro in 8086 up & subroutine & examples on macro		
23.	13/5/22	8to9.	Unit V : Introduction of interrupt in 8086		
24.	18/5/22	9to10	interrupt vector table, Maximum & minimum mode in 8086 up		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
			interrupt instructions in 8086up.		
25.	19/5/22	9to10	Unit VI :- Introduction of IOT, conceptual framework., IOT Architectural view.		
26.	20/5/22	9to10	Technology behind IOT sources of IoT, M2M Communication		

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Execution Plan

Name of Faculty: Prof. S. S. Dandge **Subject Code: 4KS05** **Section: B**

Subject Name: TOC **Semester: IV** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1.	14/03	11 to 12	Defn of String, Alphabet, String operation, Kleene closure, defn of Automata	SR	
2.	15/03	1:30 to 2:30	Finite automata, String verification	SR	
3.	16/03	11 to 12	DFA problem on DFA (Ending the string)	SR	
4.	17/03	12 to 1	DFA Problem - substring, the except string	SR	[signature] HEAD Department of Computer Science & Engineering
5.	23/03	12 to 1	DFA Problem - Start, end problem NFA.	SR	
6.	24/03	12 to 1	Conversion of NFA into DFA	SR	
7.	25/03	3:30 to 4:30	Conversion of NFA with ε into NFA without ε	SR	
8.	28/03	3:30 to 4:30	NFA with ε into NFA without ε. FA with output Moore M/c & Mealy M/c	SR	
9.	30/03	12 to 1	FA with output conversion mealy to moore M/C	SR	
10	31/03	1:30 to 2:30	Conversion of Mealy to Moore, Moore to Mealy	SR	
11	31/03	2:30 to 3:30	unit-2: Regular Expn, basic eg. on RE	SR	
12	01/04	3:30 to 4:30	Arden's Thrm, Problem on FA to RE	SR	
13	06/04	12 to 1	Problem on FA to RE conversion	SR	
14	07/04	12 to 1	Problem on FA into RE by using Arden's Thrm.	SR	
15	08/04	3:30 to 4:30	Conversion of RE to NFA with ε	SR	
16.	11/04	3:30 to 4:30	Conversion of RE into NFA without ε	SR	
17.	12/04	2:30 to 3:30	Regular gr. eg of LLG and RLG	SR	
18.	22/04	1:30 to 2:30	Regular gr. from FA, Pumping lemma.	SR	
19.	25/04	12:30 to 1:30	unit-3 eg. of context free grammar.	SR	
20	25/04	1:30 to 2:30	Derivation tree, LMD, RMD.	SR	
21.	26/04	9 to 10	Ambiguous gr. with eg.	SR.	
22.	27/04	8 to 9	Removing useless prodn, unit prodn.	SR	
23.	28/04	9 to 10	Normal form of CFG: Chomsky normal form	SR.	
24.	29/04	12:30 to 1:30	Eg. of CNF Form	SR	
25	04/05	08 to 09	Greibach Normal Form eg.	SR	

Sl.	Date	Time	Topics covered	Faculty Sign	HOD sign
26	04/05	9 to 10	lemma Rule of CNF : eg.	SR	
27	09/05	12:30 to 1:30	Properties of	SR	
28	09/05	1:30 to 2:30	unit-4: Push Down Automata, working eg on PDA	SR	
29.	10/05	11:30 to 12:30	eg of PDA, Defn of PDA	SR	
30	11/05	8 to 9	Conversion of PDA into CFG	SR	
31.	12/05	8 to 9	unit 5:- TM, Design of TM	SR	
32.	12/05	9 to 10	eg. of TM Defn of string	SR	
33.	13/05	8 to 9	mathematical operation TM	SR	
34.	14/05	9 to 10	TYPE of TM, Modify of TM	SR	
35	17/05	10:30 to 11:30	Decidability Problem, Problem on TM	SR	
36	18/05	10 to 11:30	PCP, MPCP Problem, Recursive enumerable.	SR	
37	19/05	9:20 to 10	recursive func Theory (Chomsky Hierarchy)	SR	
38.	20/05	11 to 12:30	Properties / Theorems of Recursive, Theory	SR	

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Execution Plan

Name of Faculty: Prof. G. J. Sawale **Subject Code: 4KS01** **Section: C**

Subject Name: AI **Semester: IV** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
01	14/03/22	2:30 to 3:30	Unit I, Introduction to AI	[signature]	
02	15/03/22	11:00 to 12	Turing Test Approach, Acting Rationally, foundation of AI	[signature]	
03	21/03/22	11 to 12	Intelligent agents, Simple Reflex agent	[signature]	
04	24/03/22	2:30 to 3:30	Model-Based Agent, Goal Based agent	[signature]	
05	25/03/22	12 to 1	Utility Based Agent, Learning Based agent	[signature]	
06	28/03/22	12 to 1	Nature of Environment, (Unit II) Introduction to Problem Solving	[signature]	
07	29/03/22	3:30 to 4:30	Problem as State space, 8 puzzle problem	[signature]	
08	31/03/22	2:30 to 3:30	Production System, Tic tac toe problem, Missionaries & Cannibals	[signature]	
09	04/04/22	1:30 to 2:30	Problem solving methods, Well defined prob	[signature]	
10	05/04/22	3:30 to 4:30	Breadth first Search & Example	[signature]	
11	07/04/22	2:30 to 3:30	Depth first Search & Example	[signature]	
12	11/04/22	1:30 to 2:30	Uniform Cost Search, Iterative deepening Search	[signature]	
13	12/04/22	3:30 to 4:30	Bidirectional Search & Comparison of uninformed Search strategy	[signature]	
14)	18/04/22	1:30 to 2:30	Revision of three units	[signature]	
15	19/04/22	12:30 to 1:30	Informed Search Strategy	[signature]	
16)	25/04/22	11:30 to 12:30	Concept of Heuristic, Designing Heuristic Search	[signature]	
17)	26/04/22	12:30 to 1:30	Generate & Test, Greedy best first Search	[signature]	
18)	02/05/22	1:30 to 2:30	A* algorithm & Example, AO* algo	[signature]	
19)	05/05/22	11:30 to 12:30	Hill Climbing algorithm & example	[signature]	
20)	09/05/22	12:30 to 1:30	Adversarial Search & Example	[signature]	
21)	10/05/22	12:30 to 1:30	Minimax Algo	[signature]	
22)	12/05/22	11:30 to 12:30	Alpha-Beta Pruning	[signature]	[signature]

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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Even Semester 2021-2022)

Execution Plan

Name of Faculty: Prof. Ms. R. A. Kale Subject Code: 4KS02 Section: C

Subject Name: DCN Semester: IV Year: Second Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14/03/22	1:30-2:30	Data communicath: components, Nlw Types of connections.		
2	15/03/22	2:30-3:30	Topologies		
3	16/3/22	11-12	Network types: LAN & WAN, Switching		
4	17/3/22	12-1	The internet, TCP-IP layers.		
5	21/3/22	1:30-2:30	TCP-IP protocol suite		
6	22/3/22	3:30-4:30	Encapsulation & Decapsulation, OSI model		
7	28/3/22	3:30-4:30	Transmission media.		
8	29/3/22	11:00-12:00	Unit:-2, Intro. Data link layer, Services of D.L.L, Nodes & link		
9	30/3/22	1:00-2:00	Error Det & correction:- Redundancy, Block coding, Hamming distance code, MMD		
10	01/04/22	1:30-2:30	Parity check code, cyclic Code, CRC		
11	04/04/22	11:12	CRC ex, Checksum, Polynomials, one's complement		
12	06/04/22	1:2	Forward Error correction Tech., Services of Data link layer		
13	08/04/22	1:30-2:30	Data link layer protocol, HDLC, HDLC-frames		
14	11/04/22	11:12	Point to point protocol, Media access control (MAC)		
15	22/04/22	11:30-12:30	Unit-3 - Nlw layer, Services of Nlw layer, Packet switching		
16	25/04/22	8-9	IPv4 address, classful address of IPV4		
17	27/04/22	10:11	Classless addressing, examples.		
18	29/04/22	9:10	DHCP, NAT		
19	04/05/22	10:11	IP forwarding Based on Label & Destination Address.		
20	06/05/22	10:11	Unit-4 :- IPV4 format, Fragmentation		
21	09/05/22	8:9	ICMPV4 Msgs, Mobile IP		
22	11/05/22	11:11	ICMP checksum, IPV6 format, translation of IPV4 to IPV6		
23	13/05/22	8-9	Routing algorithms-		
24	17/05/22	9-10	Transport layer protocol- Services, Stop & wait, simple protocol		
25	18/05/22	9:30-10:30	Sliding window protocol, TCP & UDP protocol, TCP connections & Handshaking		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	20/5/22	9-10	Application layer, email, FTP, HTTP, WWW		

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Execution Plan

Name of Faculty: Prof. Ms. P. P. Deshmukh Subject Code: 4KS03 Section: C

Subject Name: OS Semester: IV Year: Second Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
01	14/03/22	2.30 to 3.30	Introduction of Operating System	PP	
02	16/03/22	1.30 to 2.30	Evaluation of Operating System	PP	
03	17/03/22	11 to 12	Process Concepts & Schedulers.	PP	
04	23/03/22	1.30 to 2.30	Schedulers / Inter process Communication	PP	
05	24/03/22	1.30 to 2.30	FCFS Algorithm.	PP	
06	25/03/22	2.30 to 3.30	SJF Algorithm	PP	
07	30/03/22	4.30 to 5.30	SJF (Preemptive & Non-Preemptive)	PP	
08	31/03/22	1.30 to 2.30	Priority Scheduling, RR	PP	
09	01/04/22	11 to 1	RR	PP	
10	06/04/22	4.30 to 5.30	Multilevel Queue & Multilevel feedback Queue	PP	
11	7/04/22	1.30 to 2.30	Critical Section Problem & Solution	PP	
12	8/04/22	11 to 12	Hardware Synchronization.	PP	
13	21/04/22	11 to 12	Semaphore / Monitors	PP	
14	22/04/22	8 to 9	Deadlock, Deadlock Prevention	PP	
15	26/04/22	10 to 11	Deadlock Avoidance	PP	
16	27/04/22	12.30 to 1.30	Bankers Algorithm	PP	
17	29/04/22	10.30 to 11.30	Detection Algorithm	PP	
18	29/04/22	8 to 9	Recovery & RollBack	PP	
19	04/05/22	11.30 to 12.30	Unit - 4 - Memory Management Unit	PP	
20	05/05/22	10.30 to 11.30	Fragmentation / Paging	PP	
21	06/05/22	8 to 9	Paging Technique & TLB	PP	
22	09/05/22	9 to 10	Segmentation	PP	
23	11/05/22	11.30 to 12.30	Virtual Memory, Demand Paging	PP	
24	12/05/22	10.30 to 11.30	Page fault & Page Replacement Policy	PP	
25	13/05/22	9 to 10	Examples of Page Replacement Policy	PP	

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	18/05/22	10.30 to 11.30	File operations	(signature)	
27	18/05/22	11.30 to 12.30	Disk scheduling	(signature)	
28	19/05/22	9 to 10	RAID Levels and Directory structure	(signature)	
29	20/05/22	8 to 9	Unit 6 - I/O system & Hardware	(signature)	(signature)

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Department of Computer Science & Engineering
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Execution Plan

Name of Faculty: Prof. Ms. A. B. Paburkar **Subject Code: 4KS04** **Section: C**

Subject Name: M&ALP **Semester: IV** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1.	15/03/22	1:30 to 2:30	Basic of 8086 Microprocessor	Aher	
2.	16/03/22	2:30 to 3:30	Architecture of 8086	Aher	
3.	17/03/22	1 to 2	Numericals for finding PA, EA, BA	Aher	
4.	21/03/22	2:30 to 3:30	Flag register of 8086	Aher	
5.	22/03/22	2:30 to 3:30	Data types of 8086	Aher	HEAD Department of Computer Science & Engineering P.R.M.I.T.R. Badnera-Amravati
6.	23/03/22	1:30 to 2:30	Pin diagram of 8086		
7.	28/03/22	1:30 to 2:30	Maximum mode signals	Aher	
8.	29/03/22	1:30 to 2:30	addressing Minimum mode signals	Aher	
9.	4/04/22	12 to 1	Unit 2: Addressing modes	Aher	
10	5/04/22	1:30 to 2:30	Examples on addressing modes	Aher	
11	8/04/22	1:30 to 2:30	simple, special & data transf. Inst.	Aher	
12	11/04/22	12 to 1 PM	Arithmetic Instruction	Aher	
13	12/04/22	1:30 to 2:30	DAA, DAS, INCL, DCR	Aher	
14	22/04/22	10:30 to 11:30	Instruction format	Aher	
15	25/04/22	10:30 to 11:30	Unit 3: Relase & Shift Instruction	Aher	
16	26/04/22	1:30 to 2:30	Logical Group of Inst.	Aher	
17	29/04/22	10:30 to 11:30	Branching group of Inst	Aher	
18	6/05/22	1:30 to 2:30	Jmp, Call, return	Aher	
19	9/05/22	11:30 to 12:30	Unit IV, stack	Aher	
20	10/05/22	1:30 to 2:30	Subroutine and macro	Aher	
21	13/05/22	11:30 to 12:30	Unit V - Interrupts	Aher	
22	17/05/22	10:30 to 11:30	Minimum mode of 8086	Aher	
23	20/05/22	9:20 to 10:20	Unit VI - IOT	Aher	

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Execution Plan

Name of Faculty: Prof. Ms. K. R. Hole **Subject Code: 4KS05** **Section: C**

Subject Name: TOC **Semester: IV** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14/3	11-12	Unit I : Introduction	KH	
2	15/3	12-1	FA examples	KH	
3	16/3	12-1	DFA - Ends with	KH	
4	21/3	12-1	Ends with, Substring	KH	
5	22/3	1:30-2:30	Starts with	KH	
6	23/3	12-1	Starts with & Ends with	KH	
7	25/3	12-1	Not including & general DFA	KH	
8	28/3	2:30-3:30	Even-odd Pattern	KH	
9	29/3	2:30-3:30	NFA, NFA with ε into NFA without ε	KH	
10	30/3	2:30-3:30	NFA into DFA	KH	
11	01/4	12-1	Mealy to Moore machine, Moore to Mealy	KH	
12	04/4	12-1	Regular Expression - Unit II	KH	
13	05/4	1-2	FA into RE	KH	
14	06/4	2:30-3:30	RE into NFA with ε	KH	
15	08/4	2:30-3:30	RE into NFA without ε	KH	
16	11/4	2:30-3:30	Regular Grammer	KH	
17	12/4	11-12	Pumping lemma	KH	
18	22/4	9-10	Unit III - Context free Grammer	KH	
19	25/4	11:30-12:30	Derivation tree, Ambigious Grammer	KH	
20	27/4	9-10	Removing ε, unit & useless productions	KH	
21	29/4	10:30-11:30	Normal forms of CFG	KH	
22				KH	
23					

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prof. Swapna Chaudhari **Execution Plan**

Name of Faculty: Prof. Subject Code: 4ES06 Section: C

Subject Name: EVS Semester: IV Year: Second Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1)	29/3/22	2.30-3.30	Natural Resources	SN	
2)	30/3/22	8.30-4.30	Biodiversity	SN	
3)	5/4/22	2.30-3.30	Air pollution types	SN	
4)	6/4/22	3.30-4.30	water pollution	SN	
5)	12/4/22	2.30-3.30	Soil & Thermal pollution	SN	
6)	13/4/22				
7)	26/4/22	11.30-12.30	Ecological succession	SN	
8)	27/4/22	12.30-1.30	types of ecosystem	SN	
9)	4/5/22	12.30-1.30	unit test taken	SN	
10)	10/5/22	11.30-12.30	Social issues & envt	SN	
11)	11/5/22	12.30-1.30	Envt & human population	SN	

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Execution Plan

Name of Faculty: Prof. Ms. R. S. Badre **Subject Code: 6KS01** **Section: A**

Subject Name: SP&G **Semester: VI** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1.	14/2/22	12 - 01	UNIT1- Introduction to Infosec	RSB	
2.	15/2/22	11 - 12	Specialized Areas of Security	RSB	
3	17/2/22	230-330	Components of information security	RSB	
4.	21/2/22	330-430	C I A Triangle, CNSS security Model	RSB	
5.	22/2/22	130-230	Key Concepts of Information security	RSB	
6.	24/2/22	230-330	Threats and Attacks	RSB	
7	3/3/22	130-230	Management and Leadership	RSB	
8.	3/3/22	230-330	Principles of Information Sec Management	RSB	
9.	7/3/22	330-430	UNIT-2 Intro of Law and ethics	RSB	
10.	8/3/22	130-230	Differentiate between law & ethics	RSB	
11.	10/3/22	230-330	Ethics in Information Security	RSB	
12	21/3/22	11 : 12	Deterrance & illyal behaviour	RSB	
13.	23/3/22	12 : 01	Professional Org and their Code of Conduct	RSB	
14.	24/3/22	230-330	Case studies / Code of conduct	RSB	
15	28/3/22	11 - 12	Information Sec Types of Laws	RSB	
16	30/3/22	12 : 01	Management of Digital Forensics	RSB	
17	31/3/22	230-330	UNIT-3 : Introduction to Planning	RSB	
18	4/4/22	11 : 12	Role of Planning, Strategic Planning	RSB	
19.	6/4/22	12 - 1:00	Tactical and operational planning	RSB	
20.	7/4/22	230-330	Information Security Governance	RSB	
21	11/4/22	11 : 12	GRC, Ideal Model, Governance Process	RSB	
22	20/4/22	9 - 10	SecSDLC, Waterfall model	RSB	
23	21/4/22	11:30 - 12:30	UNIT - 4 Information Sec Policy	RSB	
24	22/4/22	12:30 - 1:30	What is Policy Sphere of use	RSB	
25	25/4/22	9 - 10	Sphere of Protection, Bull's eye model	RSB	

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	26/4/22	9 - 10	Enterprise Info Security Policy	RBP	
27	27/4/22	9 - 10	Issue - specific Security Policy	RBP	
28	27/4/22	10:30 11:30	System specific Security Policy	RBP	
29	4/5/22	9 - 10	UNIT-5 Risk Management Assessing Risk	RBP	
30	5/5/22	10:30 - 11:30	Intro to Mang. of Risk in Info sec	RBP	
31	5/5/22	11:30 12:30	The RM Process UNIT 6	RBP	
32	9/5/22	8-9	Treating Risk, Managing Risk	RBP	
33	9/5/22	9-10	Alternative Risk Mang. Methodologies	RBP	9/5

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Execution Plan

Name of Faculty: Dr.V. H. Deshmukh **Subject Code: 6KS02** **Section: A**

Subject Name: DAA **Semester: VI** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14/2/22	12 to 1	Introduction to design & analysis of algorithms.	VHD	
2	15/2/22	11 to 12	Methods for designing efficient algorithms	VHD	
3	16/2/22	1.30 to 2.30	Analysing for loops & recursive structures	VHD	
4	16/2/22	2.30 to 3.30	Conversion of recursive to iterative	VHD	
5	21/2/22	12 to 1	Algorithm design strategies	VHD	
6	22/2/	12 to 1	Asymptotic Notations	VHD	
7	23/2/	1.30 to 2.30	Introduction to Divide & Conquer	VHD	
8	28/2/	2.30 to 3.30	Binary Search & MergeSort	VHD	
9	24/2/	1.30	Greedy algorithms	VHD	
10	28/2/	12 to 1	Knapsack Problem.	VHD	
11	3/3/	1.30	Job Scheduling with deadlines	VHD	
12	7/3/	11 to 12	Minimum Spanning Trees	VHD	
13	8/3/	12 to 1	Kruskal's algorithm & Prims algo	VHD	
14	9/3/	1.30	Dijkstra's algorithms	VHD	
15	10/3/	1.30	Additional Numerical examples	VHD	
16	21/3/	12 to 1	Multistage graph problems	VHD	
17	22/3/	11 to 12	Floyd's Algorithm All pairs shortest path	VHD	
18	23/3	1.30	Chain Matrix Multiplication	VHD	
19	24/3	1.30	Additional Numerical examples	VHD	
20	28/3	12	Traveling Salesperson problem	VHD	
21	30/3	1.30	Numerical examples	VHD	

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
22	3/3	1·30	Longest Common Subsequence		
23	4/4	11 to 12	Numerical Example		
24	5/4	12 to 1	Analysis of multiplication algorithm		
25	6/4/	1·30	Application to Graphics algorithm		
26	7/4/	1-30	Introduction to triangulation		
27	11/4/	12 to 1.	Convex hulls.		
28	12/4/	11 to 12	Search & Traversal techniques		
29	13/4/	1·30.	BFS & DFS traversal methods		
30	18/4/	1·30	8 Queens problem.		
31	19/4/	9 to 10	M colouring problem		
32	20/4/	10·30.	Hamiltonian Circuits		
33	21/4/	10·30	Polynomial & NP algorithm		
34	25/4/	8 to 9.	Time Analysis of algorithm		
35	26/4	8 to 9	Efficiency of Recursion.		

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Execution Plan

Name of Faculty: Prof. Ms. S. G. Pundkar **Subject Code: 6KS03** **Section: A**

Subject Name: SE **Semester: VI** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	2/3		U1 Introduction	[signature]	
2	4/3	3:30-4:30	S/W Models	[signature]	[signature]
3	9/3		S/W Development protocols (Pu)	[signature]	
4	11/3		WSHH Question	[signature]	
5	22/3	1:30-2:30	Unit 2:- Measure & Indicator	[signature]	
6	23/3	2:30-3:30	S/W Project Planning	[signature]	
7	25/3	3:30-4:30	Revision on S/W module & Plan	[signature]	
8	29/3	12-1	S/W Risk, Types & Components	[signature]	
9.	30/3	2:30-3:30	Risk Mgt & RMMM	[signature]	
10.	1/4	3:30-4:30	Unit 3:- Introduction	[signature]	
11.	5/4	12-1	Project Scheduling & Adv.	[signature]	
12	6/4	2:30-3:30	Principle, Task Set, NW & EVA	[signature]	
13	8/4	3:30-4:30	Quality Concept, control & QA	[signature]	
14	18/4	11-12	SQA Plan & its Adv.	[signature]	
15	19/4	9-10	Unit 4:- Req. Mgt. & Bussiness and Process Engg.	[signature]	
16	20/4	11:30-12:30	Prototype Model & Analysis	[signature]	
17	27/4	11-12:30	Revision & Components of S/W	[signature]	
18	28/4	10:30-11:30	Unit 5:- S/W Arch. & User Interface	[signature]	
19	28/4	11:30-12:30	Intro to S/W Arch. Style	[signature]	
20	29/4	12:30-1:30	User Interface Design.	[signature]	
			Unit 6:- Intr. to S/W Testing	[signature]	
21.	4/5	10:30-	S/W Testing, White & Black box.	[signature]	
22.		12:30 Pm	Types of testing, Aspects of testing, Fundamental & debugging	[signature]	[signature]

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Execution Plan

Name of Faculty: Prof. Y. A. Dhumale **Subject Code: 6KS04** **Section: A**

Subject Name: PE-II (NLP) **Semester: VI** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14-2-22		UNIT-1 :- Introduction of NLP	YAlore	
2	15-2-22		overview and Morphology	YAlore	
3	16-2-22	11 to 12	NLP Application	YAlore	
4	16-2-22	12 to 1	Stages in a NLP System	YAlore	
5	17-2-22	12 to 1	Ambiguity and it's type	YAlore	
6	23-2-22	11 to 12	Models and Algorithm	YAlore	
7	23-2-22	12 to 1	Regular Expression & Pattern	YAlore	
8	24-2-22	12 to 1	Finite state automata.	YAlore	
9	02-3-22	11 to 12	Morphology ① Inflectional ② Derivational.	YAlore	
10	02-3-22	12 to 1	Finite state morphological	YAlore	
11	3-3-22	12 to 1	Finite State morphology example (Parsing)	YAlore	
12	9-3-22	11 to 12	UNIT-2 Word level Analysis	YAlore	
13	9-3-22	12 to 1	Role of Language Models	YAlore	
14	10-3-22	12 to 1	Language Model use case.	YAlore	
15	23-3-22	11 to 12	Type of Language Model, Part of Speech tag	YAlore HEAD Department of Computer Science & Engineering PRMIT&R Badnera-Amravati	
16	24-3-22	12 to 1	Hidden Markov model Smoothing Evaluation of model, methods	YAlore	
17	5-4-22	3:30-4:30	CFG	BLaws	
18	6-4-22	11 to 12	Probabilistic CFG.	BLaws	
19	7-4-22	12 to 1	CNF, CYK, Probabilistic CYK Parsing	BLaws	
20	19-4-22	12:30 to 1	Lexicalized, Dependency, Treebank	BLaws	
21	20-4-22	8 to 9	Semantic Analysis Introduction	BLaws	
22	21-4-22	9 to 10	Relation among lexeme, Wordnet, WSD	BLaws	
23	27-4-22	8 to 9	Meaning Representation- FOPL	BLaws	
24	28-4-22	9 to 10	Semantic attachment, SDSA	BLaws	
25	4-5-22	8 to 9	Classification - Supervised	BLaws	

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	5-5-22	9 to 10	Evaluation, Supervised Encoding	BRam	
27	7-5-22	9 to 10	Naive Bayes, Decision Tree	BRam	
28	7-5-22	10 to 11	Entropy model, IG, GI	BRam	
29	10-5-22	8 to 9	InformationExtraction, Chunking	BRam	
30	10-5-22	9 to 10	NER, RE, NP Chunking	BRam	

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Execution Plan

Name of Faculty: Prof. Ms. M. A. Deshmukh **Subject Code: 6KS05** **Section: A**

Subject Name: OE-II (CL&E) **Semester: VI** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	17/2/22	11-12	UNIT - I Introduction to cyber crime		
2	18/2/22	11-1	Glimpses, Nature and extent of cyb.		
3	24/2	11-12	Diversity & span of victimisation.		
4	25/2	11-1	Inadequacy of laws, influences.		
5	3/3	11-12	IT growth & future, facets & Diama		
6	4/3	11-1	Regularity perspective on Technology.		
7	10/3	11-12	UNIT II - Influence of Tech. on crime		
8	11/3	11-1	forms of cyber crimes, comp & cyber crimes.		
9	17/3	11-1	UNIT III - Cyber crime & global response		
10	24/3	11-12	cyber crime & Indian Response		
11	25/3	11-1	Nature of offences & penalties.		
12	31/3	11-12	UNIT IV - Mens Rea & criminal liab.		
13	1/4	11-1	criminal liab. & Role of mens Rea		
14	7/4	11-12	Investigation in cyber Crimes		
15	8/4	11-1	UNIT V - Discovery & Appreciation		
16	28/4	11-12	Prevension of cyber crime		
17	29/4	11-1	Measures of united nations,		
			Need of international Assistance & Appropriate Amendments.		

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Execution Plan

Name of Faculty: Prof. A. O. Sable **Subject Code: 6KS01** **Section: B**
Subject Name: SP&G **Semester: VI** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14-02-22	12 to 1	Unit 1 : Intro to Introsec		
2	15-02-22	1·30 to 2·30	CNSS model & Introsec management		
3	22-02-22	12 to 1	CIA Triad		
4	22-02-22	12 to 1	12 Types of threats & attack		
5	23-02-22	1·30 to 2·30	Threats & management & leader		
6	25-02-22	1·30 to 2·30	Management characteristics & principal of management		
7	4-03-22	1·30 to 2·30	Unit 2 :- Intro to ethics & laws		
8	8-03-22	2·30 to 3·30	Framework of ethics		
9	11-03-22	1·30 to 2·30	Detecting Unethical & Illegal Behaviour professionalism		
10	21-03-22	2·30 to 3·30	Professional Organization		
11	22-03-22	12 to 1	Security Laws Organizational		
12	23-03-22	1·30 to 2·30	Organizational loyalty		
13	28-03-22	1 to 2	Key Law agency for org" loyalty		
14	28-03-22	2·30 to 3·30	Digital forensic		
15	29-03-22	12 to 1	Flow chart for Digital forensic		
16	30-03-22	12 to 1	Unit 3 : Intro to Governance		
17	04-04-22	2·30 to 3·30	Planning & strategic planning		
18	5-4-22	1 to 2	Planning of CISO		
19	6-4-22	1 to 2	Governance (GRC)		
20	18-4-22	1 to 2	Ideal model & Benifits		
21	18-4-22	2·30 to 3·30	Outcomes of Governance		
22	19-4-22	8 to 9	SDLC security program		
23	19-4-22	9 to 10	Unit 4 - Information Sec policy		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
24	20-4-22	9 to 10	Bull's eye model		
25	25-4-22	11:30 to 12:30	Types of Policy & ISP		
26	26-6-22	9 to 10	ISP → SSP Policy & Implement		
27	27-6-22	9 to 10	Guidline for effective policy Develop		
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Department of Computer Science & Engineering

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Even Semester 2021-2022)

Execution Plan

Name of Faculty: Prof. S. P. Ingale **Subject Code: 6KS02** **Section: B**

Subject Name: DAA **Semester: VI** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14-2-22	12-1	Introduction		
2	15-2-22	11-12	Use of loops		
3	16-2-22	1:30-2:30	Efficiency of Algorithm		
4	18-2-22	1:3-2:30	Estimating & Specifing Execution Time		
5	21-2-22	1-2	Order notation		
6	22-2	11-12	Order notation		
7	23-2	1:30-2:30	Algorithm strategies		
8	25-2	2:30-3:30	Design Using Recursion		
9	2-3	2:30-3:30	Design using Recursion Continue		
10	4-3	2:30 to 3:30	Unit 2 Divide and Conquer- mergesort		
11	7-3	1-2	Unit 3 Greedy Methods		
12	7-3	2:30-3:30	Introduction knapsack problem		
13	8-3	11-12	Job sequencing with deadline		
14	9-3	2:30 to 3:30	Minimum Spanning trees		
15	11-3	2:30 to 3:30	Prims & Krushkal algorithms		
16	21-3	1 to 2	Prims & krushkal continue		
17	22-3	11 to 12	Dijkstra's Shortest path algorith		
18	23-3	2:30 to 3:30	Dijkstra Shortest path algorith		
19	25-3	1:30 to 2:30	Unit 4 : Dynamic Programming Intro.		
20	29-3	11 to 12	Multi Stage minimum path		
21	30-3	2:30 to 3:30	Travelling Salesperson problem		
22	1-4	2 to 3	Travelling Salesperson problem, chain matrix mult.		
24	4-4	1 to 2	Chain Matrix Multiplication		
25	5-4	11 + 12	Travelling Sales person problem example, Longest common Sequence		
26	6-4	2:30 to 3:30	Optimal polygon Triangulation, Single Saver shortest		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
27	20-4	11:30 to 12:30	Unit V Combination Search, Traversal Search &	[signature]	
28	22-4	10:30 to 11:30	Backtracking strategy, framework Queen problem	[signature]	
29	25-4	10-11	BFS & DFS traversing algorithm	[signature]	
30	26-4	8-9	n-queen problem.	[signature]	
31	27-4	11:30 to 12:30	~~Analysis~~ Unit 2 Analysis of multiplication	[signature]	
32	29-4	10:30 to 11:30	Intro to triangulation, convex hull, Drawback of D&C algorithm	[signature]	
33	2-5	9-10	Unit VI P & NP Time Algo	[signature]	
34	4-5	11:50 to 12:30	Examples & complexity regarding	[signature]	
			various sorting algrithm, Efficiency of Recursion	[signature]	[signature]
35	9-5	10-11	Time space trade-off.	[signature]	

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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Even Semester 2021-2022)

Execution Plan

Name of Faculty: Prof. P. P. Kadu **Subject Code:** 6KS03 **Section:** B
Subject Name: SE **Semester:** VI **Year:** Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14/2/22	11 to 12	Introduction to S.E.	Pkadu.	
2	15/2/22	1.30 to 2.30	Evolving Role of Software	Pkadu	
3	16/2/22	1.30 to 2.30	S/w Crisis & Myths.	Pkadu.	
4	17/2/22	1.30 to 2.30	S/w Engineering	Pkadu.	
5	18/2/22	2.30 to 3.30	S/w Process Models	Pkadu.	
6	21/2/22	12 to 1	S/w Development Waterfall Model.	Pkadu.	
7	24/2/22	1.30 to 2.30	Prototype, RAD Model, Incremental	Pkadu.	
8	2/3/22	1.30 to 2.30	Spiral Model, Process & Project Management	Pkadu.	
9	3/3/22	1.30 to 2.30	WSIM Principles, Process, metrics measures	Pkadu.	
10	7/3/22	12 to 1	Process, Metric, Measures & Indicators	Pkadu.	
11	8/3/22	1.30 to 2.30	metrics for Process, Project & Soft. Quality	Pkadu.	
12	10/3/22	1.30 to 2.30	Soft. Project Planning, Soft. Risks	Pkadu.	
13	21/3/22	12 to 1	Project Scheduling, Tasks	Pkadu.	
14	22/3/22	1.30 to 2.30	Task set, Task N/W	Pkadu.	
15	23/3/22	12 to 1	EVA, S/w Quality Concepts	Pkadu.	
16	30/3/22	1.30 to 2.30	Seminar, SQA, Statistical SQA	Pkadu.	
17	4/4/22	12 to 1	S/w Reliability, Info. Review, FTR	Pkadu.	
18	6/4/22	1.30 to 2.30	S/w configuration management, SCM	Pkadu.	
19	18/4/22	12 to 1	System Engg. Hierarchy, Business Process Engg.	Pkadu.	
20	20/4/22	10.30 to 11.30	Product Engg., Requirement Engg.	Pkadu.	
21	25/4/22	12 to 1	Analysis Principle, Software Prototyping	Pkadu.	
22	27/4/22	10.30 to 11.30	Design Principles, Cohesion, Coupling, Design Model	Pkadu.	
23	2/5/22	12 to 1	S/w Testing, Approach, S/w development Process Cycle	Pkadu.	
24	4/5/22	10.30 to 11.30	Strategy to Testing, Types of testing Debugging's Bugs	Pkadu.	
25	5/5/22	12.30 to 1.30	Software Architecture & Styles	Pkadu.	

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Execution Plan

Name of Faculty: Prof. Ms. N. M. Yawale **Subject Code: 6KS04** **Section: B**

Subject Name: PE-II (BDA) **Semester: VI** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
01	14/02/22	1:30 to 2:30	Unit I : BDA, introduction, BDA overview	Ayaw	
02	15/02/22	1:30 to 2:30	State of Practice in Analytics, Key roles for the new big	Ayaw	
03	16/02/22	11 to 12	data ecosystem.	Ayaw	
04	16/02/22	12 to 1	Key roles for New Big Data Ecosystem	Ayaw	
05	23/02/22	11 to 12	Keyroles for BAE	Ayaw	
06	23/02/22	12 to 1	Emples of BDA	Ayaw	
07	24/02/22	12 to 1	Data Analytics Lifecycle: overview	Ayaw	
08	02/03/22	11 to 12	Discovery, Data Preparation	Ayaw	
09	02/03/22	12 to 1	Model planning Model Building communicate Result	Ayaw	
10	03/03/22	12 to 1	operationalize, GINA	Ayaw	
11	09/03/22	11 to 12	Unit II Introduction	Ayaw	
12	09/03/22	12 to 1	EDA, EDA motive	Ayaw	
13	10/03/22	12 to 1	Visualization (Bar plot, scatter plot, Histogram, Box plot Heap Plot.	Ayaw HEAD Department of Computer Science & Engineering P.R.M.I.T.&R., Badnera-Amravati	
14	22/03/22	3:30 to 4:30	statistical analytics: Hypothesis testing Difference of mean	Ayaw	
15	23/03/2022	11 to 12	Wilcoxon Rank Sum Test Type I and Type II Error, ANOVA	Ayaw	
16	24/03/2022	12 to 1	clustering, Use cases, K-mean Algorithm	Ayaw	
17	29/03/2022	3:30 to 4:30	K-mean clustering Algo	Ayaw	
18	30/03/2022	11 to 12	Apriori Algorithm	Ayaw	
19	31/03/2022	12 to 1	Apriori Algo: Example	Ayaw	
20	05/04/2022	3:30 to 4:30	Example: A Glorecystore, Validation and Diagnostics	Ayaw	
21	06/04/2022	10 to 11	Unit III : Linear Regression	Ayaw	
22	07/04/2022	11 to 12	Linear Regression	Ayaw	
23	19/4/22	1 to 2:30	Logistic Regression	Ayaw	
24	20/4/22	8 to 9	Decision Tree	Ayaw	

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
25	21/4/22	9 to 10	ID3 algorithm, C4.5, CART		
26	26/4/22	12:30 to 1:30	Naive Bayes Algorithm		
27	27/4/22	8 to 9	Unit 4 Time series analysis, Box Jenkins method		
28	28/4/2022	9 to 10	ARIMA model & its type		
30	4/5/2022	8 to 9	Text Analysis, Steps, Tokenization		
31	5/5/22	9 to 10	Unit 5 Big data tools & Technique HDFS, MAPReduce & YARN		
32	5/5/22	10 to 11	Big data Application ecosystem, Developing Big data application		
33	7/5/22	9:30 to 10:30	Unit 6 SQL essential, NOSQL		
34	7/5/22	10:30 to 11:30	storage, Graph analytics, Advanced SQL		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
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Execution Plan

Name of Faculty: Dr. S. R. Gupta **Subject Code: 6KS05** **Section: B**
Subject Name: OE-II (IPR) **Semester: VI** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
Unit-I 1.	17/02/2022	11:00 to 12:00	Overview of Intellectual Property Right		
2.	18/02/2022	11:00 to 12:00	Discovery, Invention, Creativity, Innovation.		
3.	19/02/2022	12:00 to 1:00	History of Intellectual Property Right		
4.	24/02/2022	11:00 to 12:00	Significance of Intellectual Property Right		
5.	25/02/2022	11:00 to 12:00	Overview of IPR - Patent, Copyright		
6.	25/02/2022	12:00 to 1:00	Overview of IPR - Trade Mark, Trade Secret		
7.	03/03/2022	11:00 to 12:00	Geographical Indication, Industrial Design		
8.	04/03/2022	11:00 to 12:00	Integrated Circuit IPR, Non-Patentable Criteria		
Unit-II 9.	04/03/2022	12:00 to 1:00	Patent: Patentability Criteria, Types of Patent		
10.	10/03/2022	11:00 to 12:00	Types of Patents - Process Product & Utility Mark		
11.	11/03/2022	11:00 to 12:00	S/W Patenting and Protection, Overview		
12.	11/03/2022	12:00 to 1:00	Overview of Patent Search - Types of searching		
13.	24/03/2022	11:00 to 12:00	Basics of Patent Filing & Drafting, Indian Patent		
14.	25/03/2022	11:00 to 12:00	Patent - Elements of Patentability, Non-Patentable subject matters		
15.	25/03/2022	12:00 to 1:00	Assignment and License, Restoration of lapsed Patent, Surrender and Revocation of Patents		
16	31/03/2022	11:00 to 1:00	Infringement, Remedies & Penalties - Patent office & Appellate Board		
Unit-III 17	01/04/2022	11:00 to 12:00	Nature of Copyright - Subject matter of copyright		
18	03/04/2022	12:00 to 1:00	Original literary, dramatic, musical, artistic works cinematography films and sound recording. Reg. Proc.		
19	07/04/2022	11:00 to 12:00	Term of Protection, Ownership of Copyright, Assignment & licence of Copyright. Int. Fundamentals		
20	08/04/2022	11:00 to 1:00	Related things - Distinction between related Rights & Copyrights		
21	08/04/2022	12:00 to 1:00	Trade Mark: Meaning & Concept - Different kinds of marks - Non Registrable Trade Marks		
22	21/04/2022	07:00 to 08:30	Registration of Trade Marks - Procedure		
23.	22/04/2022	07:30 to 08:30	Rights of holder and licensing of marks		
24.	22/04/2022	08:30 to 09:30	Infringement, Remedies & Penalties - Trademark Registry & Appellate Board		
Unit-IV 25	29/04/2022	07:30 to 9:30	Design: Meaning & Concept of Novel & Origin		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	29/04/2022	08:30 to 9:30	Procedure for Registration of Design		
27	05/05/2022	8:00 to 9:00	Effect of design registration & Term of Protection.		
28	06/05/2022	8:00 to 9:00	Geographical Indication: Meaning and difference between G.I and Trademarks.		
29	06/05/2022	9:00 to 10:00	Procedure for GI Registration, Effect of Registration and Term of Protection		
Unit-V [illegible]		9:00 to 10:00	IPR: Current Contour: New National IP Policy 2016 Govt. Scheme of IPR		

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Department of Computer Science & Engineering
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Department of Computer Science & Engineering
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Execution Plan

Name of Faculty: Prof. A. A. Chaudhari Subject Code: 6KS01 Section: C
Subject Name: SP&G Semester: VI Year: Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1.	14/02/22	11 - 12	Unit I : Introduction to Infosec	AChaudhari	
2.	15/02/22	12 - 01	Management of Information Security	AChaudhari	
3.	16/02/22	1.30 - 2.30	Confidentiality, Integrity & Availability	AChaudhari	
4.	21/02/22	3.30 - 4.30	Threats & Attacks	AChaudhari	
5.	22/02/22	1.00 - 2.00	Trespass, Human Errors, S/w Attack	AChaudhari	
6.	23/02/22	3.30 - 4.30	Management & Leadership.	AChaudhari	
7.	3/03/22	3.30 - 4.30	Principles of Information Sec. Manag	AChaudhari	
8.	04/03/22	3.30 - 4.30	Unit II : Intro. to Compliance law	AChaudhari	
9.	09/03/22	3.30 - 4.30	Ethics in Information Security	AChaudhari	
10.	21/03/22	1.30 - 2.30	Types of Ethics & Behaviour	AChaudhari	
11.	21/03/22	2.30 - 3.30	Professional org. & their CoC	AChaudhari	
12.	23/03/22	12.00 - 1.00	Case Studies / Code of Conduct	AChaudhari	
13.	28/03/22	12.00 - 1.00	GFA, GSA, ECPA, HIPAA, Privacy Act	AChaudhari	
14.	29/03/22	12.00 - 1.00	Unit III : Introduction : Governance	AChaudhari	
15.	30/03/22	12.00 - 1.00	Strategic Planning	AChaudhari	
16.	30/03/22	3.30 - 4.30	Tactical & Operational Planning	AChaudhari	
17.	04/04/22	3.30 - 4.30	Hierarchical levels & Planning	AChaudhari	
18.	06/04/22	12.00 - 1.00	Strategic Planning levels (CISO, COO, CFO)	AChaudhari	
19.	07/04/22	3.30 - 4.30	Governance (Process flow, levels)	AChaudhari	
20	08/04/22	3.30 - 4.30	Planning for Information Security	AChaudhari	
21.	18/04/22	3.30 - 4.30	Unit IV : Infosec Policy	AChaudhari	
22.	19/04/22	11.30 - 12.30	Enterprise Information Security	AChaudhari	
23.	20/04/22	9.00 - 10.00	Issue Specific Security Policy	AChaudhari	
24.	22/04/22	11.30 - 12.30	System Specific Security Policy	AChaudhari	
25.	25/04/22	08.00 - 9.00	Guidelines for Effective Policy	AChaudhari	

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26.	26/4/22	10.30-11.30	Guidelines for Dev. & Implementation	Abadhani	
27.	27/4/22	9.00-10.00	Examples/ Test Case Discussion	Abadhani	
28.	02/5/22	8.00-9.00	Unit V: Introduction to Risk Management	Abadhani	
29.	06/5/22	1.30-2.30	Modules & Strategies of Risk Management	Abadhani	
30.	07/5/22	12-1.00	Strategies of Risk Management	Abadhani	[signature]

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Department of Computer Science & Engineering
(Even Semester 2021-2022)

Execution Plan

Name of Faculty: Prof. N. S. Dandge **Subject Code: 6KS02** **Section: C**

Subject Name: DAA **Semester: VI** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14/2/22	1.30	Introduction to Algorithms		
2.	15/2/22	11.00	Methods for Designing efficient Algorithm		
3	16/2/22	1.30	Conversion from recursive to Iterative		
4.	18/2/22	1.30	Algorithm strategies		
5.	21/2/22	8.30	Estimating & specifying Execution time		
6.	22/2/22	12.00	Asymtotic Notation		
7.	24/2/22	3.30	Comparison bet O, Ω, Θ Notation		
8.	2/3/22	1.30	Introduction to Divide & conquer		
9.	4/3/22	1.30	Binary search & merge sort		
10	7/3/22	1.30	merge sort Algorithm		
11	7/3/22	2.30	Greedy Algorithm Introduction		
12	8/3/22	12.00	minimum spanning tree		
13	8/3/22	1.00	Kruskals Algorithm example		
14	10/3/22	9.30	Explaination - Kruskals Algo		
15	11/3/22	1.30	prims Algorithm & Example		
16	20/3/22	12 to 1	Dijkstra Examples		
17	22/3/22	1 to 2	Dijkstra Algorithm		
18	23/3/22	3.30 to 4.30	Multistage Graph problem		
19	28/3/22	3.30 to 4.30	floyd Algorithm		
20	29/3/22	1 to 2	Matrix multiplication		
21	30/3/22	3.30 to 4.30	Strassen Matrix Multiplication		
22	4/4/22	12 to 1.	Longest common Subsequence		
23	5/4/22	2 to 1	Traveling salesman problem		
24	5/4/22	1 to 2	Traveling salesman problem		
25	6/4/22	9.30 to 4.30	Depth first search Algo		

Unit-1
Unit-3
Unit-4

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	8/4/22	1.30 to 2.30	Articulation point	NB	
27	18/4/22	12 to 1	Breadth first search	NB	
28	19/4/22	10 to 11	4, 5, 8 Queen problem	NB	
29	20/4/22	12.30 to 1.30	Hamiltonian cycle	NB	
30	22/4/22	10.30 to 11.30	closest pair problem	NB	
31	25/4/22	12.30 to 1.30	Strassen Matrix Multiplication	NB	
32	26/4/22	9. to 10	Efficiency & Recursion	NB	
33	27/4/22	12.30 to 1.30	Complexity & sorting Algo	NB	
34	29/4/22	10.30 to 11.30	Time space tradeoff.	NB	
35	09/5/22	9 to 10	polynominal & non polynomial time Algo	NB	

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Execution Plan

Name of Faculty: Prof. N. S. Khachane **Subject Code: 6KS03** **Section: C**

Subject Name: SE **Semester: VI** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14/02	12-1:00	Introduction to SE		
2	15/02	1:30-2:30	Evolving role of Slw, Slw Crisis		
3	16/02	2:30-3:30	Myths Slw Engineering		
4	18/02	2:30-3:30	Slw Process & Process Model waterfall, Prototyping		
5	21/02	2:30-3:30	Unified Seq RAD, Incremental Model		
6	22/02	2:30-3:30	Spiral model, Process model Umbrella Activities		
7	25/02	2:30-3:30	Project management concept, WSHH Principle		
8	04/03	2:30-3:30	Measure, metrics Indicators, Metrics in Process		
9	07/03	2:30-3:30	Project, Slw measurement, Metrics for Slw Quality		
10	08/03	1:30-3:00	Small organization, Slw Project Planning		
11	11/03	2:30-3:30	Software Risk, Risk [illegible]		
12	14/03	2:30-4:00	Project Scheduling, Basic Principles Task set, Task N/W		
13	22/03	2:30-3:30	Task Set, Task N/W, EVA, Slw Quality Concept		
14	28/03	12:00-1:00	Slw quality control, Slw Quality Assurance		
15	29/03	2:30-3:30	Statistical SQA, Slw Reliability		
16	4/04	11:00-12:00	Informal Review FTR, Standards		
17	05/04	2:30-3:30	Software Configuration Management Tasks of SCM		
18	08/04	2:30-3:30	System Engg Hierarchy, Business Process Engg		
19	18/04	11:00-12:00	Product Engg, Product Engg Hierarchy Req		
20	19/04	9:00-10:00	Requirement Engg different Task		
21	25/04	9:00-10:00	Analysis Principles, Software Prototyping Design process		
22	26/04	10:00-11:00	Design Principles Cohesion, Coupling Design Model		
23	29/04	11:30-12:30	Slw Testing, Slw Testing Approach		
24	02/05	9:00-10:00	Slw development Process Cycle, Strategy to testing		
25	04/05	9:00-10:00	Type of Testing, Bugs, Debugging Software Quality		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	06/6/22	10:30-11:30	Software Architecture, Data design,		
27	08/6/22	1:30-2:30	Architectural Style, UID,		
28	09/06/22	8:30-9:30	Size metrics		

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Execution Plan

Name of Faculty: Prof. S. V. Deshmukh **Subject Code: 6KS04** **Section: C**

Subject Name: PE-II (CRYPT) **Semester: VI** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14/02	1·30-2	UNIT:1 ⇒ Introduction, Need for security		
2	15/02	11-12	sec. Approaches, Pri. of Security, Types of Att.		
3	16/02	11-12	Introduction of Cryptography, Plain & Cipher		
4	16/02	12-01	Subs & Transposition Techniques		
5	17/02	12-01	Encry & Decry, Symmetric & Asymm. key		
6	23/02	11-12	steno go, Key range, size & Possible attack		
7	23/02	12-01	UNIT:2 ⇒ Algo. Types & Modes		
8	24/02	12-01	Overview of Symmetric Key Crypto.		
9	02/03	11-12	DES (Data encryption Std)		
10	02/03	12-01	International Data encry Algo (IDEA)		
11	03/03	12-01	RC4, RC5, Blowfish		
12	09/03	11-12	AES (Adv. Enc. stand.)		
13	09/03	12-01	UNIT:-3 :- Introduction of Asymmetric Key		
14	10/03	12-01	RSA Algorithm, Digital signature		
15	22/03	3·30	Digital signature,		
16	24/03	12·00	symmetric & Asymmetric Crypto.		
17	29/03	3-3	Unit - 4 :- Digital certificates		
18	30/3	11·00	Public Key infrastructure.		
19	31/03	12·00	Private Key Management, PKIX		
20	5/04	3·30	PKCS, XML.		
21	6/04	11·12	PKI and Security		
22	7/04	12·00	Creating Digital Certificate.		
23	19/04	1·300	Unit-5 :- Intro. IP Sec, SSL		
24	20/04	8·00	TLS, Sec. Hypertext TP (SHTTP),		
25	21/04	9·00	TSP, SET (Secur. Ele. Tran)		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	26/04	1·30	Email security, (WAP)		
27	27/04	08·00	Unit VI :- Authentication Basics		
28	28/04	09·00	certificate-based Authentication		
29	04/05	1·30	Biometric Authentication, Kerberos		
30	05/05	08·00	Key Dis. Center, sec hand. Pitfalls		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Even Semester 2021-2022)

Execution Plan

Name of Faculty: Prof. S. S. Dandge **Subject Code: 6KS05** **Section: B**

Subject Name: OE-II (~~CL&E~~) **Semester: VI** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	17/2	11 to 12	Cyber, common cyber crimes, Nature and extent.	SR	
2	18/2	11 to 12	Cyber Space, Vulnerability, impact	SR	
3	18/2	12 to 01	Regulations of cyber space, legal Aspect	SR	
4	24/2	11 to 12	Inadequacy of law of cyber, Internet, Issues	SR	
5	25/2	11 to 12	cyber Networks, Internet extranet	SR	
6	25/2	12 to 01	Unit-II Technology on criminality	SR	
7	3/3	11 to 12	Crimes Affecting Individuals, economy	SR	
8	4/3	11 to 12	Hacking, Virus, crimes affecting section	SR	
9	4/3	12 to 01	Crimes affecting Society	SR	
10	10/3	11 to 12	Terminological Aspects,	SR	
11	11/3	11 to 12	Peculiarities & control of cyber crimes	SR	
12	11/3	12 to 01	Unit III Global Perspective of cyber	SR	
13	24/3	11 to 12	Country wise Analysis	SR	HEAD Department of Computer Science & Engineering
14	25/3	11 to 12	Indian Info Tech Act 2000	SR	
15	25/3	12 to 1	Provisions, Coverage, Offences, Penalties	SR	
16	31/3	11 to 12	Miscellaneous & Subsidiary Provisions	SR	
17	01/04	11 to 12	Future Prospects and needs	SR	
18	04/04	12 to 01	Unit-IV Mens Rea in Indian Penal Code	SR	
19	07/04	11 to 12	Historical Perspective, Abetment offence.	SR	
20	08/04	11 to 12	Procedural Aspects of cyber crime,	SR	
21	08/04	12 to 01	Problem & Precautionary measures	SR	
22.	21/04	8 to 9	Unit-V: Law of evidence	SR	
23	22/04	8 to 9	efforts of G47 & G48 groups.	SR	
24	22/04	9 to 10	Measures of United Nations	SR	
25	28/04	8 to 9	Cyber law on cyber evidence.	SR	

Unit-I Unit-II Unit-III Unit-IV Unit-V

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Even Semester 2021-2022)

Name of Faculty: ~~Dr. M. A. Pund~~ Mrs S V Kolhande **Execution Plan** Subject Code: 8KS01 Section: A

Subject Name: AI Semester: VIII Year: Final Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	31/1/22	1:30	Introduction to AI - Definations U-1		
2	1/2/22	2:30	AI Techniques, Tic-Tac-Toe		
3	2/2/22	12:00	Pattern Regcognition, level of Mod		
4	3/2/22	11:00	criteria of success, Problem spac		
5	7/2/22	1:30	Production System		
6	8/2/22	2:30	control Strategies, Heuristic search		
7	9/2/22	12:00	Problem characteristics		
8	10/2/22	11:00	Decomposition of problems		
9	14/2/22	2:30	Predictability, Sol? Absolute & Rel		
10	15/2/22	1:30	Basic problem solving method		
11	16/2/22	12:00	Reasoning Problem tree & graph		
12	17/2/22	12:00	Knowledge Representation U-2		
13	21/2/22	2:30	matching Indexing Variable		
14	22/2/22	2:30	Heuristic Function		
15	23/2/22	1:30	Weak Methods - All		
16	24/2/22	2:30	Problem Reduction		
17	2/3/22	1:30	constraint satisfaction		
18	3/3/22	1:30	Mean End Analysis		
19	10/3/22	1:30	Analysis of search Algorithm		
20	28/3/22	1:30	Knowledge Repr - Predicate & Propo		

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Execution Plan

Name of Faculty: Dr. S. R. Gupta **Subject Code: 8KS02** **Section: A**

Subject Name: ES **Semester: VIII** **Year: Final Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1.	31-Jan-22	11:00 to 1:00	Introduction to Embedded System		
2.	01-Feb-22	1:00 to 12:00	Embedded System Vs General Computing System		
3.	02-Feb-22	2:30 to 3:30	Embedded system: History & Classification.		
4.	08-Feb-22	1:30 to 2:30	Major Application Areas and Purpose of ES.		
5.	08-Feb-22	11:00 to 12:00	Components of Embedded Systems		
6.	14-Feb-22	12:00 to 1:00	Review of Embedded Systems.		
7.	15-Feb-22	12:00 to 1:00	General Purpose and Domain Specific Process		
8.	16-Feb-22	01:30 to 02:30	Memories for Embedded Systems.		
9.	17-Feb-22	12:00 to 1:00	Memories for Embedded System and Review of ES.		
10.	21-Feb-22	1:30 to 2:30	Compurent of ES: Sensor and Actuators.		
11.	22-Feb-22	12:00 to 1:00	Other Components of ES.		
12.	23-Feb-22	1:30 to 2:30	Communication Interface and its Type		
13.	24-Feb-22	02:30 to 3:30	Communication Interface: Onboard; I^2C, SPI, Uart		
14.	03-Mar-22	1:30 to 2:30	Comun. Interface: Onboard Parallel; External Interface		
15.	04-Mar-22	2:30 to 5:30	Ext Interface: RS-232, 485, USB, Firewire, Infrared, Bluetooth, Zigbee		
16.	07-Mar-22	2:30 to 3:30	Characteries & Quality Attributes of ES.		
17.	08-Mar-22	12:00 to 1:00	ES Examples: Washing m/c, Automative App.		
18.	10-Mar-22	2:30 to 5:30	Introduction to 8051 Micro-controller		
19.	21 Mar-22	3:30 to 4:30	8051 Microcontroller Architecture		
20.	22-Mar-22	11:00 to 12:00	8051 Memory Organisation, Registers, Oscillator, Port		
21.	12-April-22	2:30 to 3:30	8051 Interrupt System, Timer Units, The Serial Port, 8051 Power Saving mode		
22.	20-Apr-22	07:30 to 08:30	Programming 8051 Mc: Addressing mode, 8051		
23.	26-Apr-22	8:30 to 9:30	Instruction Set: Data Transfer, Arithmetic, Logical		
24.	25-Apr-22	08:00 to 09:00	Inst. Set: Boolean Inst. and Program Control Transfer Inst.		
25.	27-Apr-22	09:00 to 10:00	Assembly Language based ES Firmware		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
Unit 5					
26	02-May-22	02:00 to 04:00	Programming in Embedded C : Introduction		
27	04 May-22	08:00 to 09:00	Review of Various Construct in C, Constant declarations		
[illegible]	05 May-22	[illegible]	Volatile type qualifier, Delay Generation Infinite Loops		
28	05 May-22	[illegible]	Coding Interrupt Service Routines, Recursive and Reentrant Fun, Dynamic Memory Allocation		
Unit 6					

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Whole class were Absent

24/03, 25/03, 28/03,
22/03, 23/03, 24/03, 25/03, 29/03, 30/03 31/03,
04/04, 05/04, 06/04, 07/04, 11/04, 13/04, 18/04, 19/04,
09/05, 10/05, 11/05

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(Even Semester 2021-2022)

Execution Plan

Name of Faculty: Prof. T. P. Adhau **Subject Code: 8KS03** **Section: A**
Subject Name: SE **Semester: VIII** **Year: Final Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	9/1/22	1 to 2	Introduction to S/w Engg		
2	11/1/22	11 to 12	Characteristic of S/w, S/w myths		
3	2/1/22	3:30 to 4:30	S/w Process, S/w engg		
4	3/1/22	12 to 1	Layered Architecture.		
5	7/1/22	1 to 2	Process model, Linear Sequential		
6	8/1/22	11 to 12	Prototyping, RAD		
7	9/1/22	3:30 to 4:30	Evolutionary model.		
8	10/1/22	12 to 1	Concurrent model.		
9	14/1/22	1 to 2	S/w Project management		
10	15/1/22	11 to 12	WSHH Principal		
11	16/1/22	3:30 to 4:30	Unit 2 :- metrics, measures		
12	17/1/22	12 to 1	Project & Process Domain.		
13	21/1/22	11 to 1	Scope, Resources.		
14	22/1/22	1 to 2	Project Planning, Scope, Resources		
15	23/1/22	3:30 to 4:30	Estimation, decomposition		
16	24/1/22	12 to 1	technique, Tools.		
17	2/3/22	3:30 to 4:30	S/w Risks :- Identification, Risk		
18	3/3/22	12 to 1	Projection, Refinement.		
19	4/3/22	10:30 to 11:30	S/w Reliability & Availability		
20	7/3/22	12 to 1	System Engineering Hierarchy		
21	28/3/22	12 to 1	System Config Management		
22	31/3/22	1:30 to 2:30	Design concept & Principal		
23	04/4/22	1:30 to 2:30	Architectural Design of S/w.		
24	13/4/22	12 to 1	Golden Rules of UID, GUI & Model		
25	19/4/22	9 to 10	User Interface Evaluation cycle		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	20/4/22	11:30 to 12:30	Testing Objectives & Principles		
27	23/4/22	10:30 to 11:30	Principle of Testing & good test - case		
28	26/4/22	12:30 to 1:30	white - box testing, Basic path, Control Structure		
29	28/4/22	1:30 to 2:30	Black box testing & Its specialized environment		
30	27/4/22	11:30 to 12:30	Strategic approach to S/w testing		
31	29/4/22	9:30 to 10:30	Unit testing, Integration Testing, validation		

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Department of Computer Science & Engineering
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Execution Plan

Name of Faculty: Prof. S. V. Deshmukh **Subject Code: 8KS04** **Section: A**

Subject Name: NS **Semester: VIII** **Year: Final Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	31/01	2·30	Unit I :- Sec. Trends, OSI Sec. Archi		
2	01/02	1·30	Security - Attacks, services, mechnism		
3	02/02	11·00	Internetwork sec, Int stan., Society		
4	03/02	12·00	Symmetric Encryption, Block Algo		
5	8/02	1·30	Stream ciphers & RC4		
6	9/02	1·30	Cipher Block Modes ope.		
7	14/02	3·30	Location of Encryption devices		
8	15/02	11·00	Key Distribution		
9	16/02	4·30	UNIT II :- Introduction of Public Key		
10	17/02	11·00	Approaches to Message Authentication		
11	21/02	3·30	Hash Function & HMAC,		
12	22/02	11·00	Public key Cryptography Principle		
13	23/02	4·30	Public key Infrastructure		
14	24/02	11·00	Pub. Key Cryptography Algo.		
15	02/03	4·30	Digital signature		
16	03/03	11·00	Key Management		
17	07/03	3·30	UNIT III :- Intro. Authention App.		
18	08/03	1·30	Kerberos V4 - V5		
19	08/03	2·30	X.509 certificate		
20	11/03	11·00	PKI Infrastructure		
21	21/03	2·30	PGP		
22	22/03	2·30	SMIP, MIME, S/MIME		
23	28/03	12-01	UNIT-IV IP sec overview, IP sec Archi.		
24	7/04	11-12	Authentication Header, Key management		
25	12/04	3·30	web security Consideration, SSL		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	19/09	10.30	Transport layer Security, SET		
27	19/09	11.30	UNIT V SNMP, Community facility		
28	20/09	10.30	SNMP1, SNMP2		
29	25/09	9.00	Intrusion Detection System		
30	26/09	8.00	Password Management		
31	26/09	9.00	UNIT VI : Malicious S/w,		
32	27/09	10.30	Viruses & threates, Countermeasures		
33	28/09	8.00	Distributed Denial of services Attack		
34	2/05	9.00	Firewall Design Principles		
35	5/05	11.30	Trusted system, Com. Cnit. for IT		
36	6/05	08.00	security Evaluation		

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Execution Plan

Name of Faculty: Prof. Ms. V. S. Sakharkar **Subject Code:** 8KS01 **Section:** B
Subject Name: AI **Semester:** VIII **Year:** Final Year

Sr. No.	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
Unit I 1	31/1/22	9.30-9.30	Defn of AI, AI Techniques		
2	1/2/22	11-12	Tic-Tac Toe, Pattern Recognition		
3	2/2/22	9.30-3.30	Level of Model, Criteria for Success		
4	3/2/22	2.30-3.30	Problems & Problem Specifications		
5	14/2/22	9.30-10.30	Defining Problems, Production System		
6	15/2/22	11-12	Control strategies, futuristic Search		
7	16/2/22	8.30-3.30	Problem characteristics & Decomposition		
8	22/2/22	11-12	Predictability, Absolute & Relative soln		
Unit II 9	23/2/22	2.30-3.30	Reseasoning, Problem trees, graphs		
10	28/2/22	2.30-3.30	Knowledge Representation		
11	2/3/22	1.30-2.30	Matching indexing with variables		
12	2/3/22	2.30-3.30	Heuristic function, weak Methods		
13	8/3/22	11-12	Problem Reduction, CSP		
14	23/3/22	11 to 12	Conceptual dependancy		
Unit III 15	29/3/22	11 to 12	Minimax Search Procedure, Alpha-beta cut offs		
16	4/4/22	1.30-2.30	Propositional logic & Predicate logic		
17	5/4/22	11 to 12	Structural representation		
18	18/4/22	1.30-2.30	Declarative Representation		
19	19/4/22	9.30-10.30	Semantic nets, frames, Scripts		
20	26/4/22	10.30-11.30	Semantic spectrum & procedural representation		
21	27/04/22	11.30-12.30	Natural Language Processing		

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Execution Plan

Name of Faculty: Prof. A. U. Chaudhari **Subject Code: 8KS02** **Section: B**

Subject Name: ES **Semester: VIII** **Year: Final Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	02/14	11:00 to 11:50	Introduct^n to E.S	N	
2	02/15	12:00 to 1:00	Differential between ES & theo Sy	N	
3	02/16	1:00 to 2:00	Purpose of Embedded System	N	
4	02/17	9:30 to 4:30	Core part of Embedded System	N	
5	02/21	11:00 to 12:00	uC & uP & RISC-CISC	N	
6	02/22	12:00 to 1:00	Programable Logic Devic (PLD)	N	
7	02/23	12:00 to 1:00	Different types of Memory	N	
8	02/28	9:30 to 4:30	Memory selecⁿ for E.S	N	
9	03/02	11:00 to 12:30	Senser & Actuator, I/O Subsyst^n	N	
10	03/07	12:00 to 1:00	Communic^n Interface - onboard	N	
11	03/08	12:00 to 1:00	SPI, UART, 1-wire	N	
12	08/21	11:00 to 12:00	External Commun^n - RS-232, USB	N	
13	03/23	12:00 to 1:00	Charcteristic of E.S & USB	N	
14	03/28	2:30 to 3:30	Quality Attributes	N	
15	04/04	2:30 to 3:30	Non-operational quality Attributes	N	
16	04/05	2:30	8051 program memory.	N	
17	13/04	12:00	8051 Data Memory Registers	N	
18	18/04	2:30	Oscillator Unit, Port	N	
19	19/04		Port 0, 1	N	
20	20/04		oscillator Unit, serial port	N	
21	21/04		Timer Unit	N	
22	26/04		Arithmetic Instruct^n set	N	
23	27/04		Instruction set	N	
24	25/04	11:30	Programing in C	N	
25	03/05	8:00	Structure, Union, Pointers	N	

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
06	08/05	9:00	Introduction RTOS	[signature]	[signature]

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Execution Plan

Name of Faculty: Dr. S. M. Iqbal **Subject Code: 8KS03** **Section: B**

Subject Name: SE **Semester: VIII** **Year: Final Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
01	31/1/22	12 to 1	Introduction to S/w Engineering		
02	1/2/22	12 to 1	characteristic of s/w, s/w Myths		
03	2/2/22	2:30 to 3:30	s/w Process, s/w engg. a layered tech		
04	3/2/22	12 to 1	Process Models, Linear Sequential,		
05	9/2/22	12 to 1	Prototyping, RAD, Evolutionary		
06	14/2/22	12 to 1	concurrent model		
07	15/2/22	12 to 1	4 P's of s/w project management		
08	16/2/22	2:30 to 3:30	W5HH principle, critical Pro		
09	21/2/22	12 to 1	Metrics, Measures & Indicators		
10	22/2/22	12 to 1	Project & Process Domain		
11	23/2/22	11 to 12	Scope, resources,		
12	7/3/22	12 to 1	Project Planning		
13	20/3/22	12 to 1	Quality Assurance, Quality Types		
14	28/3/22	11 to 12	FTR & guidelines for FTR		
15	28/3/22	12 to 01	Project Planning & scheduling		
16	4/4/22	12 to 1	Requirement engineering Analysis		
17	5/4/22	1:30 to 2:30	Design concepts & Principles		
18	13/4/22	11 to 12	Architectural design model		
19	18/4/22	12 to 01	User Interface design		
20	19/4/22	8 to 9	golden rules of U I D		
21	20/4/22	8 to 9	Place the user in control		
22	26/4/22	8 to 9	Testing objectives & principles		
23	27/4/22	9 to 10	Principles of Testing, Unit Testing		
24	29/4/22	10 to 11	White Box Testing, Path Based		
25	2/5/22	9 to 10	Condition Testing & control		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	10/5/22	10:30 To 11:30	Delegated Voting Strategies.		

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Execution Plan

Name of Faculty: Prof. P. S. Deshmukh Subject Code: 8KS04 Section: B

Subject Name: NS Semester: VIII Year: Final Year

Sr No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14-02		Unit 1 - Security Trends, Arch., OSI		
2	15-02		Security Attacks, services, Synantic		
3	16-02		Block algorithm, Stream cipher, RC4		
4	17-02		DES Algo, RFC, Messay Auth., S-HMAC		
5	22-02		Public - Private key Crypto, Digital sgnature		
6	23-02		key mangaent, Crypto principles		
7	02-03		RSA Algorithm, Deffie-Hellmankey		
8	02-03		Unit 3 - Authentication apps, kerberos		
9	09-03		X 509 Auth. Services, Public-key Infr.		
10	23-03		E-mail work securing, PGP, MIME		
11	29-03		S-MIME, kerbiros operation		
12	03-4		Unit 4 - IP security Overview		
13	04-4		IP Sec architecture, Auth. Header		
14	05-4		Encp Sec payload, Security association		
15	06-4		Security associations, key mangment		
16	18-4		web security, SSL, and TSL		
17	20-4		SSL-TSL, Secure ele. trans (SET)		
18	26-4		SET steps, dual signature,		
19	27-4		Unit 5 - SNMP, V_1 - V_3, Intruder		

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Execution Plan

Name of Faculty: Prof. Ms. S. V. Kalbande **Subject Code: 8KS01** **Section: A**

Subject Name: AI **Semester: VIII** **Year: Final Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1.			Introduction to AI		
2.	3 Feb	11 am	AI Applications & Definitions (10)		
3.	8 Feb	12 noon	Tic-Tac-Toe Game Strategies (15)		
4.	9 Feb	12 noon	Game Playing Approach 1, 2, 3 (7)		
5.	10 Feb	11 am	Pattern Recognition (4)		
6.	14 Feb	12 noon	Level of model (5)		
7.	15 Feb	1:30 pm	Problem Specifications		
8.	16 Feb	12 noon	Production System		
9.	17 Feb	1:30 pm	Control Strategies		
10.	21 Feb	12 noon	Heuristic Search,		
11.	24 Feb	3 pm	Problem Characteristics		
12.	28 Feb	12 noon	Unit-II Basic Problem Solving		
13.	02 Mar	12 noon	Problem Trees & Graphs		
14.	07 Mar	12 noon	Heuristic Functions		
15.	8 March	3:3 pm	Weak Methods		
16.	10 March	12 noon	Hill Climbing & Remedies		
17.	22 March	12 noon	Contraint Satisfaction		
18.	23 March	12 noon	Means End-Analysis		
19.	24 March	12 noon	UNIT-III Min Max & Game Playing		
20.	28 Mar	12 noon	Mini-Max Procedure		
21.	29 Mar	12 noon	α, β Cutoff Concepts		
22.	30 March	11 Am	Cutoff at Maximizing & Minimizing		
23.	31 March	2:30 pm	α, β cut off at multiple depth		
24.	4 April	12 noon	Example & Refinement		
25.	18 April	.	Deep α / β pruning		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	19.4.22	11:30am	UNIT-IV Knowledge Represental		
27	20.4.22	11:30am	Representation Scheme		
28	24.4.22	10:30	Propositional logic		
29	26.4.22	10:30	Predicate logic		
30					

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Execution Plan

Name of Faculty: Dr. P. K. Agarwal **Subject Code: 8KS02** **Section: C**

Subject Name: ES **Semester: VIII** **Year: Final Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
01	31/1/22	11am	Introduction to ES.	PKA	
02	1/2/22	3:30pm	Embeded VS General Conputer.	PKA	
03	2/2/22	11.00am	History, classification	PKA	
04	3/2/22	3:30pm	Applications Area of ES.	PKA	
05	8/2/22	3:30pm	Purpose of Embedded System	PKA	
06	14/2/22	11:00am	Purpose of Embedded Systems	PKA	
07	15/2/22	3:30pm	Components of Embedded system	PKA	
08	16/2/22	11.00am	General Purpose - Microprocessor	PKA	
09	17/2/22	12.00am	Domain Specific Microcontroller	PKA	
10	21/2/22	11.00am	Memories — ROM	PKA	
11	22/2/22	3:30pm	Memories RAM	PKA	
12	28/2/22	11.00am	Revision of Unit I.	PKA	
13	24/2/22	12.00pm	Unit II: Components of ES.	PKA	
14	28/2/22	11:00 am	Communication Interface	PKA	
15	02/3/22	11:00 am	— I2C bus	PKA	
16	03/3/22	3:30pm	— SPI bus	PKA	
17	07/3/22	11:00am	— 1 wire & Parallel interface	PKA	
18	9/3/22	11.00am	Parallel Interface	PKA	
19	21/3/22	11:00am	External Communication	PKA	
20	23/3/22	1:00	Review of Unit II	HEAD Department of Computer Science & Engineering PRMIT&R, Badnera-Amravati	
21	06/04	12.00	Unit-I Memory organization - Program memory		
22	18/4	12.00	Data Memory, Registers		
23	19/04		Port 0, 1, Oscillator circuit		
24	20/4		Serial port, timer		
25	21/4		Timer unit		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	23/04	9:00	Unit-IV Programming with 8051		
27	26/04	11:30	Instruct set & Addressing mod		
28	28/04		Instruction Set		
29	28/04	11:30	Programming in C		
30	09/05	8.			

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Even Semester 2021-2022)

Execution Plan

Name of Faculty: Dr. S. M. Iqbal **Subject Code: 8KS03** **Section: C**

Subject Name: SE **Semester: VIII** **Year: Final Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
01	21/01/22	11 to 12	Introduction to S/w Engineering		
02	1/02/22	2:30 to 3:30	Characteristic of S/w, S/w Myths		
03	2/2/22	11 to 12	S/w Process, S/w Engg. A Layered tech		
04	3/2/22	12 To 1	Process model, Linear Sequential		
05	8/2/22	2:30 To 3:30	Model, Prototyping, RAD model		
06	10/2/22	11 to 12	Evolutionary, Concurrent model		
07	15/2/22	11 to 12	4P's of S/w Project management		
08	16/2/22	3:30 to 4:30	Project, Factors, Product, People		
09	17/2/22	11 to 12	WS HH Principle, critical Practice		
10	21/2/22	12 to 1	Measure, Metrics, & Indicators.		
11	22/2/22	11 to 12	Metrics in Process & Project Domain		
12	24/2/22	1:30 to 2:30	S/w Project Planning, Scope,		
13	7/3/22	11 to 12	Resources, estimation.		
14	8/3/22	11 to 12	Decomposition techniques		
15	9/3/22	12 To 1	Empirical, S/w risks: identification		
16	10/3/22	11 To 12	Risk Projection, refinement & RMMM		
17	22/3/22	11 to 12	Software Reliability, Availability		
18	24/3/22	11 to 12	System Engineering Hierarchy		
19	28/3/22	1:30 to 2:30	System configuration management		
20	5/4/22	1:30 to 2:30	Design concepts & principles		
21	11/4/22	1:30 to 2:30	Architectural design of S/w		
22	18/4/22	8 to 9	Golden rules of UID		
23	20/4/22	8 to 9	Place the user in control		
24	21/4/22	8 to 9	User Interface Activities, & model		
25	25/4/22	11 to 12	User Interface Evaluation cycle.		

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Department of Computer Science & Engineering
Dr. PDKV, Badnera-Amravati

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	26/4/22	8:10 9	Testing objectives & Principles		
27	27/4/22	9:10 10	Principles of testing & good test case		
28	2/5/22	9:10 10	relationship between testing & debugging		
29	10/5/22	10:30 11:30	Integrated testing strategy		

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Department of Computer Science & Engineering
PRMIT&R, Badnera-Amravati (Maharashtra)

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Even Semester 2021-2022)

Execution Plan

Name of Faculty: Prof. Ms. N. A. Deshmukh **Subject Code: 8KS04** **Section: C**

Subject Name: NS **Semester: VIII** **Year: Final Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	31/01/2022	2:30	Introduction to NS and OSI architecture		
2	1/02/2022	12:00	symmetric / Asymmetric Encryption		
3	2/02/2022	3:30	Feistel structure with DES Algo		
4	3/02/2022	12:00	3DES/AES algo		
5	8/02/2022	12:00	Stream ciphers / Block cipher		
6	15/02/2022	12:00	Random & Pseudorandom Numbers		
7	21/02/2022	02:30	Approcha to Msg Authentication		
8	22/02/2022	12:00	SHF and HMAC		
9	24/02/2022	12:00	Public key cryptography Prin/algo		
10	03/03/2022	12:00	Digital signature		
11	08/03/2022	12:00	Key Management		
12	28/03/22	2:30	Kerberos & X.509 certificate		
13	29/03/22	1:30	Public key Infrastructure		
14	27/	11:00	S/MIME		
15	09/04/22	11:00	PGP, PGP services		
16	10/04/22	12:00	Functions of PGP & S/MIME		
17	18/04/22	2:30	IP security & web security intro		
18	26/04/22	9:00	IP Security architecture		
19	28/04/22	9:00	Transport mode & Tunnel mode		
20	02/05/22	8:00	SET Protocol		

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Department of Computer Science & Engineering
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Odd Semester 2021-2022)

Execution Plan

Name of Faculty: Prof. D. V. Rautkar **Subject Code:** 3KS01 **Section:** A

Subject Name: M-III **Semester:** III **Year:** Second Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	20/9/21	9-10	Unit I:- Introduction to L.D.E		
2	21/9/21	11.30	Rule of C.F		
3	22/9/21	10.00	Type I i.e e^{ax}, sin ax or cos ax		
4	23/9	11.30	Find P.I for x^m, sin ax & cos ax		
5	27/9	9-10	Find P.I for $e^{ax}V$ & general method		
6	28/9	11.30	Solve by V.O.P		
7	29/9	10.00	Cauchy's & Legendre's L.D.E		
8	30/9	11.30	Unit II Introduction L.T		
9	4/10/21	9-10	Fourmula's & Properties of L.T		
10	5/10/21	11.20	Examples on basic fourmula of L.T		
11	6/10/21	10.00	Examples on 1st shifting prop.		
12	7/10/21	11.20	Find Inverse L.T		
13	11/10	9-10	Examples on Inverse L.T		
14	12/10	11.20	Convolution thm, Unit step fun		
15	13/10	10.00	Find L.T by periodic fun		
16	14/10	11.30	Unit III Solve D.E by L.T		
17	18/10	9-00	Solve Simultaneous Eq^n by L.T		
18	20/0	10.00	Introduction to fourier transform		
19	21/10	11.20	Standard form of fourier transform		
20	25/10	9-10	Convolution thm		
21	26/0	11.30	Fourier sine & cosine transform		
22	27/10	10.00	fourier sine & cosine integral		
23	28/10	11.30	Unit IV Partial D.E		

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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Odd Semester 2021-2022)

Execution Plan

Name of Faculty: Prof. Ms. P. N. Deshmukh **Subject Code: 3KS02** **Section: A**

Subject Name: DSGT **Semester: III** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1.	20/9/21	10 to 11	Unit 1 : Propositional logic, Variable notation, compound statement		
2.	23/9/21	10 to 11	Truth tables, compound proposition		
3.	24/9/21	9 to 10	logical operators with examples		
4.	27/9/21	10 to 11	logical bit & operations with example		
5.	30/9/21	10 to 11	logical equivalences, De, Morgan's law		
6.	1/10/21	9 to 10	Predicates & examples of predicates		
7.	4/10/21	10 to 11	Quantifiers & types of quantifiers		
8.	7/10/21	10 to 11	Restricted Domains. Precedence, Logical equivalences		
9.	8/10/21	9 to 10	Rules of Inference for propositional logic		
10.	11/10/21	10 to 11	Rules of Inference for Use to Build argu-ments		
11.	18/10/21	10 to 11	Rules of Inference with Quantified statement		
12.	21/10/21	10 to 11	Introduction of Proof, direct proof		
13.	22/10/21	9 to 10	Proof by Contraposition, Proof by Contradiction		
14.	25/10/21	10 to 11	Unit II : Introduction of Set, venn diagram, cartesian product		
15.	28/10/21	10 to 11	use set notation with Quantifier & set operation with eg.		
16.	29/10/21	9 to 10	Set Identities with example.		
17.	8/11/21	10 to 11	Set Identities with example.		
18.	11/11/21	10 to 11	Function, Defination with examples		
19.	12/11/21	9 to 10	Types of function & Inverse function		
20.	22/11/21	10 to 11	Compositions & Graph of function, Important function, Partial		
21.	25/11/21	10 to 11	Sequences, Recurrence Relations, Special integer		
22.	26/11/21	9 to 11	Summations, Countable & uncountable set, function		
			of Relations, Relation on Set, Properties of Relation		
23.	29/11/21	10 to 11	Composition of Relation, Combining Relation		
24.	2/12/21	10 to 11	n-ary Relations, operations on n-ary Relation.		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
25	3/12/21	9 to 10	Representation of Relation, Closure		
26.	6/12/21	10 to 11	Unit No. 3 :- Number Theory & Induction		
27.	9/12/21	10 to 11	Division algo, Theorem, Arithmetic modulem		
28.	10/12/21	9 to 10	GCD, LCM, Euclidian Algorithm.		
29.	17/12/21	9 to 10	Bezout's Theorem, Chinese Remainder Theorem		
30.	20/12/21	10 to 11	Fermats little Theorem		
31.	23/12/21	10 to 11	Unit No. 4 :- Algebric System, Def^n & eg.		
32.	24/12/21	9 to 10	Properties of algebric System, examples, semigroup & monoids		
33.	27/12/21	10 to 11	Homomorphism, Isomorphism def^n with eg.		
34.	28/12/21	9 to 10	Composition table for addⁿ & multiplication		
35.	30/12/21	10 to 11	Coset, left & Right Coset, Group		
36	31/12/21	9 to 10	Algebric structure with two binary Operation.		
37.	4/01/22	9 to 10	Unit No: 5 : Basic Counting Principles, Examples counting problem		
38.	6/01/22	10 to 11	Substraction & Division Rule, The pigeonhole principle, Generalized		HEAD Department of Computer Science & Engineering
39	7/01/22	9 to 10	Permutation, Combination Generating Permutation, Generating Combination		
40.	10/01/22	10 to 11	Unit No: 6 Graph, Types of Graph Special Simple graph, Bipartite Graph		
41.	13/01/22	10 to 11	Matching, Specialtype of appln. with eg.		
42.	14/01/22	9 to 10	New to old graph, Adjancy matrix representation with examples.		
43.	17/01/22	10 to 11	Eulez algorithm, Numericals, Hamilton graph.		
44.	20/01/22	10 to 11	Hamilton, planar, Eulez example,		
~~45~~	~~20/01/22~~		Dual graph, graph coloring & cromatic graph.		
1	18/01/22	1:30 to 2:30	Unit 1 :- Proposition logic variable ex. Truth table, Compound proposition.		
2	19/01/22	10 to 11	Predicate, quantifier with eg.		
3	20/01/22	10 to 11	Rules of Inferences with ex & Proof, Types of proof.		

DS

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Odd Semester 2021-2022)

Execution Plan

Name of Faculty: Prof. Ms. R. A. Meshram **Subject Code: 3KS03** **Section: A**

Subject Name: OOP **Semester: III** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	20/09/21	12:30 to 1:30	Introduction to Object oriented Programming	UR	
2	21/09	10 to 11	Comparisim bet" structure oriented & oject oriented with feature	UR	
3	27/09	12:30 to 1:30	Operators in Java with program	UR	
4	28/09	10 to 11	Operators in Java, Casting	UR	
5	30/09	9 to 10	Flow control statement (if else)	UR	
6	04/10	12:30 to 1:30	For loop with programming	UR	
7	05/10	10 to 11	while, do-while, for loop program	UR	
8	07/10	9 to 10	while, do-while, for loop program	UR	
9	11/10	12:30 to 1:30	Unit II: Class & object programs	UR	
10	12/10	10 to 11	Method: Default & parameterized	UR	
11	14/10	9 to 10	Constructors. types of constructors	UR HEAD	
12	14/10(L)	10 to 11	Static variable with program	UR	
13	18/10	12:30	Static methods, this keyword, program	UR	
14	21/10	9 to 10	Array. 1D & 2D with program	UR	
15	25/10	12:30 to 1:30	Command line argument	UR	
16	26/10	10 to 11	Unit III: Inheritance introduction	UR	
17	28/10	9 to 10	Single, multilevel & Hierarchical program	UR	
18	08/11	12:30 to 1:30	Super Keyword for metho overriding	UR	
19	09/11	10 to 11	final Keyword, Abstract Class	UR	
20	11/11	9 to 10	Interfaces, Extending interfaces	UR	
21	22/11	12:30 to 1:30	Multiple inheritance with interface	UR	
22	25/11	10 to 11	Packages, subpackages	UR	
23	23/11(E)	12:30 to 1:30	Enum type, Access specifier	UR	
24	25/11	9 to 10	Unit IV: Exception Handling	UR	
25	29/11	12:30 to 1:30	throws, throwable	UR	

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26)	30/11	10 to 11	file Handling, create file, copy file	UR.	
27	02/12	9 to 10	Assertion, logging in Java	UR.	
28	06/12	12:30 to 1:30	Reading & writing files using IO package	UR.	
29	07/12	10 to 11	Unit V: Applet introduction	UR.	
30	09/12	9 to 10	Applet Programming, Applet life cycle	UR.	
31	16/12	9 to 10	Paint(), Update() and repaint()	UR.	
32	20/12	12:30 to 1:30	Applet tag getDocumentBase()	UR.	
33	21/12	10 to 11	Applet context Interface	UR.	
34	23/12	9 to 10	Audio clip, image, Graphics class	UR.	
35	27/12	12:30 to 1:30	Color, Font, font Metrics	UR.	
36	28/12	10 to 11	Unit VI: Event Handling, Event Delegation Model	UR.	
37	29/12	12:30 to 1:30	Java awt. event, source of events	UR.	
38	30/12	9 to 10	Button, checkbox, checkboxgroup	UR.	
39	04/01	10 to 11	Frame, Layout, Borderlayout	UR.	
40	06/01	9 to 10	Cardlayout with program	UR.	
41	10/01	01:30 to 2:20	Gridbaglayout & Gridlayout	UR.	
42	11/01	10 to 11	Menubar program	UR.	
43	13/01	9 to 10	Inner classes, Adapter classes	UR.	

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Department of Computer Science & Engineering
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Odd Semester 2021-2022)

Execution Plan

Name of Faculty: Prof. T. P. Adhau **Subject Code:** 3KS04 **Section:** A

Subject Name: DS **Semester:** III **Year:** Second Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	20-9-21	11:30 to 12:30	Introduction to DS, Operations		
2	21-9-21	12:30 to 1:30	Algo. Notation, Algorithm.		
3	22-9-21	9 to 10	Complexity of Algo.		
4	27-9-21	11:30 to 12:30	String Processing & char Datatype		
5	28-9-21	12:30 to 1:30	String operation, word processing		
6	29-9-21	9 to 10	Pattern matching.		
7	4-10-21	11:30 to 12:30	Second pattern matching.		
8.	5-10-21	12:30 to 1:30	Unit 2. Intro to Linear array, Traversing		
9.	11-10-21	~~9 to 10~~	Memory representation, Insertion & Deletion		
10.	12-10-21	12:30 to 1:30	Bubble Sort, Linear Search.		
11.	13-10-21	9 to 10	Binary Search, multidimensional array		
12.	18-10-21	12:30 to 1:30	General dimensional array, pointer array		
13.	20-10-21	9 to 10	Record Structure, ~~Structures~~.		
14	25-10-21	11:30 to 12:30	Unit 3 : Link list, memory Representation		
15	26-10-21	12:30 to 1:30	Traversing, Searching Link list		
16	27-10-21	9 to 10	memory allocation & garbage collection Insertion		
17	8-11	11:30 to 12:30	Insertion after given node		
18	9-11	12:30 to 1:30	Insertion in Sorted Linked list		
19	10-11	9 to 10	Deletion on Link list.		
20	24-11	9 to 10	Deletion on CL, Header Link list		
21	29-11	11:30 to 12:30	Two way Link list, Traversing.		
22	30-11	12:30 to 1:30	Stack, Array representation		
23	1-12	9 to 10	Link representation of Stack.		
24	6-12	11:30 to 12:30	Polish Notation, Arithmetic Expression		
25	7-12	12:30 to 1:30	Conversion of Infix to Postfix Expression		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	8-12	9 to 10	Queue, insertion & Deletion		
27	8-12	10 to 11	Deque, Priority queue, quick sort		
28	20-12	11:30 to 12:30	Quick sort		
29	21-12	12:30 to 1:30	Tree, Terminology, Representation of tree		
30	22-12	9 to 10	Traversing Binary, Preorder		
31	27-12	11:30 to 12:30	Inorder, postorder traversal		
32	28-12	12:30 to 1:30	Example on traversing threaded node		
33	29-12	9 to 10	Binary Search tree, BST		
34	31-12	11:30 to 12:30	Heap, Heap tree, Example		
35	3-01	12:30 to 1:30	Path length, Huffman's Algo		
36	4-01	12:30 to 1:30	Insertion sort, Selection sort		
37	5-01	11:30 to 1:30	Radix Sort; Merge Sort		
38	10-1	11:30 to 12:30	Graph Terminology, memory		
39	11-1	12:30 to 1:30	BFS		
40	12-1	9 to 10	DFS.		
41	18-1	12:30 to 1:30	Rev Unit 1: Topics		
42	19-1	12:30 to 1:30	Unit 1: ~~Topics~~ Topics.		
43	20-1	1:30 to 2:30	Unit 2: Topics		
44	25-1	12:30 to 1:30	Unit 2: Topics.		

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Department of Computer Science & Engineering
(Odd Semester 2021-2022)

Execution Plan

Name of Faculty: Prof. Ms. A. B. Pahurkar **Subject Code: 3KS05** **Section: A**

Subject Name: ADE **Semester: III** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1.	21/09/21	9 to 10am	Introduction to semiconductor	Pahurkar	
2.	22/09/21	11:30 to 12:30	Types of semiconductor	Pahurkar	
3.	24/09/21	10 to 11am	Introduction to P-N junction diode	Pahurkar	
4.	28/09/21	9 to 10am	V-I Characteristics & parameter	Pahurkar	
5.	29/09/21	11:30 to 12:30	PNP & NPN TYPES of transistors	Pahurkar	
6.	1/10/21	10 to 11	CB, CE & cc Configuration of Transistor	Pahurkar	
7.	5/10/21	9 to 10	I/p & o/p Characteristics of transistor	Pahurkar	
8.	8/10/21	10 to 11	Numericals	Pahurkar	
9.	12/10/21	9 to 10	Unit-II Introduction to FET	Pahurkar	
10.	13/10/21	11:30 to 12:30	Drain & Transfer char.	Pahurkar	
11.	20/10/21	11:30 to 12:30	Numericals & Introduction to MOSFET	Pahurkar	
12.	22/10/21	10 to 11am	Depletion & Enhancement mosfet	Pahurkar	
13.	26/10/21	9 to 10	FET switching & Cmos	Pahurkar	
14.	27/10/21	11:30 to 12:30	Unit 3:- Number Systems conversion	Pahurkar	
15.	29/10/21	10 to 11	Numericals	Pahurkar	
16.	9/11/21	9 to 10	Numericals	Pahurkar	
17.	10/11/21	10 to 12:30	8's complement subtraction	Pahurkar	
18.	12/11/21	10 to 11 a.m.	(8-1)'s complement subtraction	Pahurkar	
19.	22/11/21	11:30 to 12:30	Computer codes	Pahurkar	
20.	23/11/21	9 to 10 a.m.	Alphanumeric codes	Pahurkar	
21.	24/11/21	11:30 to 12:30	Unit IV:- Boolean Algebra	Pahurkar	
22.	30/11/21	9 to 10	Problems on Boolean theorem	Pahurkar	
23.	1/12/21	11:30 to 12:30	K-map Techniques	Pahurkar	
24.	3/12/21	10 to 11	Problems on K-map techniques	Pahurkar	
25.	7/12/21	9 to 10	Don't Care Condition with K-map	Pahurkar	

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	8/12/21	11:30 to 12:30	Examples on tabulation method,		
27	10/12/21	10 to 11	Examples on tabulation method		
28	16/12/21	10 to 11	Unit 5:- Half & full adder, substractor		
29	17/12/21	10 to 11	multiplexer, Binary adder, Encoder		
30	21/12/21	9 to 10	Comparator and PLA structure		
31	22/12/21	11:30 to 12:30	ROM & Examples		
32	24/12/21	10 to 11	Unit 6:- Introduction to SR & J-K flip flop		
33	31/12/21	10 to 11	Register clear J-K flip flop		
34	5/1/22	11:30 to 12:30	Shift Registers & Bidirectional shift Reg.		
35	7/1/22	10 to 11	Ring & Sprit & Asynchronous counter		
36	11/1/22	9 to 10	Examples on Counter		
37	12/1/22	11:30 to 12:30	Revised Chapter 1 & 2		

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Department of Computer Science & Engineering
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Execution Plan

Name of Faculty: Prof. Ms. S. R. Sawarkar **Subject Code: 3KS01** **Section: B**

Subject Name: M-III **Semester: III** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	20/9/21	10-11	Unit I. D.E., C.F.	SRS	
2	22/9/21	9-10	P.I. Case I.	SRS	
3	23/9/21	12.30-1.30	P.I. case II	SRS	
4	24/9/21	11.30-12.30	P.I. case III	SRS	
5	27/9/21	10-11	P.I. case IV	SRS	
6	29/9/21	9-10	VOP	SRS	
7	1/10/21	11.30-12.30	Cauchys L.D.E.	SRS	
8	4/10/21	12.30-1.30	Legenders L.D.E.	SRS	
9	8/10/21	11.30-12.30	Unit II - Laplace Transform	SRS	
10	11/10/21	10-11	Laplace Transform	SRS	
11	13/10/21	9-10	Inverse L.T.	SRS	
12	14/10/21	12.30-1.30	Partial fraction method.	SRS	
13	18/10/21	10-11	Unit step fun^n	SRS	
14	20/10/21	9-10	Periodic fun^n.	SRS	
15	21/10/21	12.30-1.30	Unit III - Application of L.T.	SRS	
16	22/10/21	11.30-12.30	Unit III - Application of L.T.	SRS	
17	25/10/21	10-11	Application of L.T.	SRS	
18	27/10/21	9-10	Fourier Transform	SRS	
19	28/10/21	12.30-1.30	Fourier Transform	SRS	
20	29/10/21	11.30-12.30	Fourier Transform	SRS	

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Execution Plan

Name of Faculty: Prof. Ms. S. G. Taley **Subject Code: 3KS02** **Section: B**

Subject Name: DSGT **Semester: III** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	20/9/21	12:30 -	Unit 1 - Logic & Proofs Preposition	Staley	
		1:30	Compound stat Logical connective	Staley	
2	21/9/21	10 - 11	compound Preposition Logical operator	Staley	
			Logic & Bit operation, Logical equivalence	Staley	
3	23/9/21	9 - 10	De-Morgan's law, Duality law, contingency	Staley	
4	27/9/21	12:30-1:30	Predicate, Quantifier, Restricted domain	Staley	
			Rules of inference - for Propositional Logic	Staley	
5	28/9/21	10 - 11	Problem based on rules of inference	Staley	
6	30/9/21	9 - 10	comb^n of Preposition & quantified stat	Staley	
7	4/10/21	12:30-1:30	Proof of Terminology, Direct Proof	Staley	
8	5/10/21	10 - 11	Proof of contrapositive & contradiction	Staley	
9	7/10/21	9 - 10	Unit 2: Intro. ion Venn Diagram	Staley	
10	11/10/21	12:30-1:30	Power set, cartesian Product	Staley	
11	12/10/21	10 - 11	set Notation, Truth set & quantifier	Staley	
12	14/10/21	9 - 10	set Operation	Staley	HOD Department of Computer Science & Engineering P.R.M.I.T.&R. Badnera-Amravati
13	18/10/21	12:30-1:30	Set Identities		
14	19/10/21	10-11	Generalized Union & Intersection	Staley	
15	21/10/21	9 - 10	one to one, onto, bijective function	Staley	
16	25/10/21	12:30 - 1:30	inverse function, composition & Graphs	Staley	
17	26/10/21	10 - 11	Important function, Partial function	Staley	
18	28/10/21	9 - 10	Sequences, Recurrence Relation,	Staley	
			Special Integer sequences, Summation	Staley	
19	8/11/21	12:30-1:30	countable set, uncountable set	Staley	
20	9/11/21	10 - 11	Relation on set, Properties & combinat^n	Staley	
21	11/11/21	9 - 10	n-ary Relation, Representing rel^n using matrix	Staley	

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
22.	22/11/21	12:30-1:30	closure, Transitive closure	Staley	
23	23/11/21	10-11	Unit 3 Number theory, Arithmetic modulo m	Staley	
24	25/11/21	9-10	Primes, conjecture & open Problem	Staley	
25	29/11/21	12:30-1:30	GCD & LCM	Staley	
26	30/11/21	10-11	The Euclidean Algorithm	Staley	
27	2/12/21	9-10	Gcds as Linear Comb", Linear congruence	Staley	
28	6/12/21	12:30-1:30	Chinese Remainder Theorem	Staley	
29	7/12/21	10-11	Fermat's Little theorem, Pseudoprime	Staley	
30	9/12/21	9-10	Primitive root, discrete mathematic, Hashing function	Staley	
31	16/12/21	9-10	Mathematical Induction, Mistaken Proof	Staley	
32	20/12/21	12:30-1:30	Guidelines for Proof strong Induction	Staley	
33	21/12/21	10-11	Unit 4' Algebraic system, Semigroup & monoid, Homomorphism of monoid	Staley	
34	23/12/21	9-10	subsemigrp, submonoid, Group, Subgrp, homomorphism	Staley	
35	27/12/21	12:30-1:30	coset & Lagrange's Theorem	Staley	
36	28/12/21	10-11	Normal subgrp, algebraic sys with two binary operation	Staley	
37	30/12/21	9-10	Unit V Counting Principle, complex counting problem	Staley	
38	31/12/22	12:30-1:30	Subtraction & division rule, Pigeonhole Principle	Staley	
39	4/1/22	10-11	Permutation & Combinations	Staley	
40	6/1/22	9-10	Generating Permutation, Generating combin	Staley	
41	10/1/22	12:30-1:30	Unit VI Graph model, Terminology, simple graph, Bipartite graph	Staley	
42	11/1/22	10-11	Appln of graphs, New graph from old, Graph representation	Staley	

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Execution Plan

Name of Faculty: Prof. N. S. Khachane **Subject Code: 3KS04** **Section: B**

Subject Name: DS **Semester: III** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	20/09	9:00-10:00	Introduction to DS, DS operations.		
2	21/09	11:30-12:30	Algorithmic Notation, Algorithm		
3	22/09	10-11:00	Complexity of Algorithm, Example		
4.	27/09	9:00-10:00	String Processing, Character data type		
5	28/09	11:30-12:30	String operation, Word Processing		
6	29/09	10:00-11:00	First Pattern matching		
7.	04/10	9:00-10:00	Second Pattern matching		
8.	04/10	10:15:11:00	Introduction of Linear Array, representation in memory Traversing.		
9	05/10	11:30-12:30	Insertion and Deletion in LA		
10	11/10	9:00-10:00	Bubble Sort, Linear Search		
11	12/10	11:30-12:30	Binary Search, multidimensional array, representation		
12	13/10	10:00-11:00	General dimensional array, Pointer array, matrices		
13	18/10	9:00-10:00	Record Structure, Linked list, memory representation		
14	20/10	10:00-11:00	Traversing, Searching linked list (unsorted)		
15	25/10	9:00-10:00	memory allocation & garbage collection Insertion at the beginning		
16	26/10	11:30-12:30	Inserting after a given node.		
17	27/10	10:00-11:00	Inserting in sorted linked list.		
18	08/11	9:00-10:00	Deletion on linked list		
19	09/11	11:30-12:30	Deletion on LL Header Linked list		
20	10/11	10:00-11:00	Two way linked list, Traversing.		
21	22/11	9:00-10:00	Stack, Array representation of Stack, Operations		
22	22/11	11:30-12:30	Linked representation of Stack, Operations (Insertion, Deletion).		
24	24/11	10:00-11:00	Arithmetic Expression, Polish Notation		
24	26/11	9:00-10:00	Example on Evaluation of Postfix expn. Convert infix to postfix expn page 90		
25	29/11	9:00-10:00	Recursion Ackermann function		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	30/11	12:30-12:3	Example of Ackermann fn, Tower of Hanoi		
27	01/12	10:00-11:00	Queue, Insertion, Deletion		
28	06/12	9:00-10:00	Insertion, Deletion		
29	~~11:30-12:3~~ 07/12	11:30-12:30	Deque, Priority queue		
30	08/12	10:00-11:00	Quick sort		
31	20/12	11:30-12:30	Tree, Terminology, Representating a tree in memory		
32	21/12	11:30-12:30	Traversing Binary, Preorder		
33	22/12	10:00-11:00	Inorder, Postorder traversal		
34	27/12	9:00-10:00	Examples on traversing, Header node, Binary Search tree		
35	28/12	11:30-12:30	BST, Heap, Heap tree, example		
36	29/12	10:00-11:00	Path Length, Huffmans Algorithm		
37	31/12	9:00-10:00	Insertion Sort, Selection sort, Radix sort		
38	04/01	11:30-12:30	Merge Sort, graph, Terminology, memory representation		
39	10/01	9:00-10:00	BFS - DFS,		
40	24/01	11:30-12:30	Linked list Operation		
41	27/01	12:30-1:30	Header Linked list, Two way linked list & Algo		
42	28/01	1:30-2:30	Stack, Operation, Algo		
43	31/01	12:30-1:30	Queue, Priority Queue, Algo		

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Execution Plan

Name of Faculty: Prof. A. O. Sable **Subject Code: 3KS05** **Section: B**

Subject Name: ADE **Semester: III** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1.	20/9/21	11.30 to 12.30	Introduction To ADE		
2.	23/9/21	10 to 11	P-N Diode & working		
3.	24/9/21	9 to 10	V-I Characteristic of Diode		
4.	27/9/21	11.30 to 12.30	Parameter Regarding V-I Characteristic of diode		
5.	30/9/21	10 to 11	Bipolar junction Transistor		
6.	1/10/21	9 to 10	Operation of PNP & NPN transistor		
7.	7/10/21	10 to 11	Transistor as an amplifier		
8.	8/10/21	9 to 11	CB, CE configuration		
9.	11/10/21	11.30 to 12.30	CC configuration & Comparison of CB		
10.	14/10/21	10 to 11	CB, CE, Characteristics		
11.	18/10/21	11.30 to 12.30	CC characteristics & BJT as switch		
12.	21/10/21	10 to 11	Introduction to FET		
13.	22/10/21	9 to 10	Working of n channel FET		
14.	25/10/21	11.30 to 12.30	Drain Characteristics		
15.	28/10/21	10 to 11	Transfer characteristics		
16.	29/10/21	9 to 11	MOSFET & Depletion mode Type		
17.	08/11/21	11.30 to 12.30	Enhancement Type MOSFET		
18.	11/11/21	10 to 11	Unit III – Number Systems & Its Types		
19.	12/11/21	11.30 to 12.30	conversion Binary to Decimal		
20.	25/11/21	11.30 to 12.30	Addition & Subtraction of Binary		
21.	29/11/21	11.30 to 12.30	Multiplication & Division & 1's & 2's complement		
22.	2/12/21	10 to 11	Conversion Decimal, Octal, Hexadecimal		
23.	3/12/21	9 to 10	Gray to Binary & Excess 3 code		
24.	6/12/21	11.30 to 12.30	Alpha Numeric codes		
25.	9/12/21	10.00 to 11.00	Binary Gates		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	10/12/21	9 to 10	Demorgan's therom	[signature]	
27.	13/12/21	11 to 30 12:30	Unit IV :- Boolean Algebra	[signature]	
28	16/12/21	10 to 11	Problem on Boolean Therom	[signature]	
29	17/12/21	9 to 10	K-map Technique	[signature]	
30	20/12/21	11.30 to 12.30	Problem on K-map	[signature]	
31	23/12/21	10 to 11	K-map Dont care condition	[signature]	
32.	26/12/21	9 to 10	Example on Tabulation method	[signature]	
33	27/12/21	11.30 to 12.30	Unit V :- Half adder, Full Adder	[signature]	
34	30/12/21	10 to 11	Substractor, multiplexer	[signature]	
35.	3/12/21	9 to 11	comparator & PLA structure	[signature]	
36.	6/1/21	10 to 11	Rom & Example	[signature]	
37.	7/1/21	9 to 11	Unit 6 = Intro to S-R	[signature]	
38.	10/1/21	11.30 to 12.30	Master Slave J-K flip flop	[signature]	
39.	13/1/21	10 to 11	Ring & Sych & Asynchronous counter	[signature]	
40.	17/1/21	11.30 to 12.30	Example ~~...~~ on counter	[signature]	[signature]
~~41~~	~~20/1/21~~	~~9 to 10~~			
~~42~~	~~21/1/21~~	~~9.30 to 10~~			

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Execution Plan

Name of Faculty: Prof. A. M. Karale **Subject Code: 3KS01** **Section: C**

Subject Name: M-III **Semester: III** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
			Unit - I.		
1	20/08/21	11:30 to 12:30	Introduction to LDE		
2	21/08/21	10 to 11	Rules to find C.F.		
3	22/08/21	11:30 to 12:30	find P.I (case - I - e^{ax}, cos(ax))		
4	23/08/21	9:30 to 10	Problems on case - II & III & case IV		
5	27/08/21	11:30 to 12:30	problems on case V, VI & General		
6	28/08/21	10 to 11	Problems on VOP		
7	29/08/21	11:30 to 12:30	Problems on Cauchy's and Legendre		
8	30/08/21	9 to 10	Unit III :- Introduction & def' of L.T		
9	04/10/21	11:30 to 12:30	Laplace transform formula & prop		
10	05/10/21	10 to 11	Example on standard Results		
11	06/10/21	11:30 to 12:30	Inverse Laplace transform		
12	07/10/21	9 to 10	Examples on Partial fraction		
13	11/10/21	11:30 to 12:30	Examples on Convolution thm		
14	12/10/21	10 to 11	Example on unit impulse f', Periodic		
15	13/10/21	11:30 to 12:30	Examples on unit step function		
16	14/10/21	9 to 10	Unit - III Application of L.T. & Pr		
17	18/10/21	11:30 to 12:30	Soln of LDE by L.T.		
18	21/10/21	9 to 10	Soln of Simultaneous eqn		
19	25/10/21	11:30 to 12:30	Def' & stat. ments of Fourier Transform		
20	26/10/21	10 to 11	Properties of Fourier T. & Problems on it		
21	27/10/21	11:30 to 12:30	Convolution thm, Fourier Sine & cosine integ		
22	28/10/21	9 to 10	problems on Inverse Fourier Transform		

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Execution Plan

Name of Faculty: Prof. Ms. R. S. Badre **Subject Code: 3KS02** **Section: C**

Subject Name: DSGT **Semester: III** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1.	21/9/21	9 to 10	Introduct^{n} of DSGT,	RSB	
2.	23/9/21	10 to 11	Unit-1 : Propositional logic, Notations	RSB	
3.	24/9/21	11.30 to 12.30	Connectives, Truth table, Examples	RSB	
4.	28/9/21	9 to 10	Logical Operators, Logic bit of Operations	RSB	
5.	30/9/21	10 to 11	Logical Equivalences, De. Morgan's Laws	RSB	
6.	1/10/21	11.30 to 12.30	Predicates & Examples of Predicates	RSB	
7.	5/10/21	9 to 10	Quantifier, Universal & Existential	RSB	
8.	7/10/21	10 to 11	Quantifiers using Restricted domain, BindingVar	RSB	
9.	8/10/21	11.30-12.30	Rules of Inference for propositional logic	RSB	
10.	12/10/21	9 to 10	Rules of Inference for Use to Build Arguments	RSB	
11.	14/10/21	10.00-11.00	Rules of Inference for Quantified statement	RSB	
12	21/10/21	10-11.00	Proof of contradiction, contraposition	RSB	
13	22/10/21	11.30-12.30	Unit 2: Sets, Introduction to sets, definit^{n}	RSB	
14.	26/10/21	9-10	Venn diagram, Cardinality, Cartesian Prod.	RSB	
15.	28/10/21	10-11	Set Operations, Examples	RSB	
16	29/10/21	11.30-12.30	Set Identities, Laws	RSB	
17	9/11/21	9-10	Set Identities, Examples Membership table	RSB HEAD	
18	11/11/21	10-11	Functions, Examples, Types of Function	RSB	
19	12/11/21	11.30-12.30	Inverse function, Examples	RSB	
20	23/11/21	9-10	Composition of functions, Graph of funct^{n}	RSB	
21	25/11/21	10-11	Some Imp functions, Partial functions	RSB	
22	24/11/21	11.30-12.30	Sequences & Summations	RSB	
23	30/11/21	9-10	Relations, Properties of Relation	RSB	
24	1/12/21	12.30-1.30	Composition of Relation, n-ary relation	RSB	
25	2/12/21	10-11	Relation Matrix, Closure Properties	RSB	

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	3/12/21	1:30-17:30	UNIT-3 Number Theory & Induction	RSP	
27	9/12/21	9-10	Division Algo. Theorems, Arithmetic.	RSP	
28	10/12/21	11:30-12:30	GCD, LCM, Theorem, Euclidean Algo.	RSP	
29	16/12/21	10-11	Bezouts theorem, Chinese Remainder Theorem	RSP	
30	17/12/21	11:30-12:30	Fermats little theorem	RSP	
31	21/12/21	9-10	Examples of fermats theorem	RSP	
32	23/12/21	10-11	UNIT-4 Algebraic structures	RSP	
33	24/12/21	10-11	Defination of Algebraic Structure, Ex	RSP	
34	27/12/21	9-10	Homomorphism, Isomorphism Defn	RSP	
35	28/12/21	9-10	Composition table for add^n, Multi	RSP	
36	29/12/21	10-11	Coset, Left, Right, Ring, Group	RSP	
37	31/12/21	11:30-12:30	Algebraic Structure with two binary	RSP	
38	4/1/22	9-10	UNIT-5: Counting, Basic Counting Princi	RSP	
39	6/1/22	10-11	Subtraction & Division Rule, Pigeonhole Princi	RSP	
40	7/1/22	11:30-12:30	Permutation Combination Generality	RSP	
			Permutation, Generating Combination		
41	11/1/22	9-10	UNIT-6: Graph, Types of Graph	RSP	
42	13/1/22	10-11	Bipartite graph, Complete Bipartite graph	RSP	
43	18/1/22	9-10	New to old graph, Adjacency Matrix, Graph Isomorphism	RSP	
44	19/1/22	9-10	Euler theorem, Numericals, Hamilton thm	RSP	
45	20/1/22	9-10	Hamilton, Planar, Euler examples,	RSP	
			Dual graph, Graph coloring &		
			chromatic graph		

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Execution Plan

Name of Faculty: Prof. Ms. P. P. Deshmukh **Subject Code: 3KS03** **Section: C**

Subject Name: OOP **Semester: III** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	20/09/21	12.30 to 1.30	Introduction of OOP	PP	
2	22/09/21	12.30 to 1.30	Principles of OOP	PP	
3	24/09/21	12.30 to 1.30	Comparison of Procedural & OOP Lang.	PP	
4	27/09/21	9 to 10	Operators in Java	PP	
5	29/09/21	12.30 to 1.30	Operators, Casting Conversion	PP	
6	01/10/21	9 to 10	Flow of Control	PP	
5	04/10/21	12.30 to 1.30	for loop, while, do-while	PP	
6	08/10/21	9 to 10	If else, nested if, switch.	PP	
7	11/10/21	12.30 to 1.30	Continue statement, break statement	PP	
8	13/10/21	12.30 to 1.30	Unit - II classes and objects	PP	
9	18/10/21	12.30 to 1.30	Method declaration & object creation	PP	
10	20/10/21	11.30 to 12.30	Types of Methods, Constructors.	PP	
11	20/10/21	12.30 to 1.30	Constructor Overloading 'this' keyword	PP	
12	22/10/21	9 to 10	Garbage Collection & Static Keyword	PP	
13	25/10/21	12.30 to 1.30	Static methods & Array (1D & 2D)	PP	
14	27/10/21	12.30 to 1.30	Array Programming (User Through method else)	PP	
15	29/10/21	9 to 10	Command Line arguments	PP	
16	08/11/21	12.30 to 1.30	Unit - III - Inheritance (Introduction)	PP	
17	10/11/21	12.30 to 1.30	Method Overriding & Super keyword	PP	
18	12/11/21	9 to 10	Final keyword & Abstract class method	PP	HOD Dept. of Computer Science & Engineering P.R.M.I.T.R., Badnera-Amravati
19	22/11/21	12.30 to 1.30	Interface (Method, variable, inherited interface)	PP	
20	24/11/21	12.30 to 1.30	Similarity bet' Interface & Abstract method Packages.	PP	
21	26/11/21	9 to 10	Packages, Access Specifiers, Enum types	PP	
22	29/11/21	12.30 to 1.30	String Buffer classes & Programming.	PP	
23	03/12/21	9 to 10	Exception. Unit IV / diff bet' Error & Exception	PP	

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
24	06/12/21	12.30 to 1.30	try. catch, throw, throws, finally/ blocks		
25	08/12/21	12.30 to 1.30	User defined Exceptions		
26	09/12/21	12.30 to 1.30	Input - Output Serialization		
27	10/12/21	9 to 10	Revision of 1st & 2nd Unit		
28	17/12/21	9 to 10	Association & logging, file handling		
29	20/12/21	12.30 to 1.30	Unit 5:- Applet tags, lifecycle		
30	22/12/21	12.30 to 1.30	Parameter Tags / Color Font Class		
31	24/12/21	9 to 10	AWT. Packages & Classes / methods		
32	27/12/21	12.30 to 1.30	Button, List, Checkbox, Radio Button		
33	29/12/21	12.30 to 1.30	Choicebox, Text field & Text Area		
34	30/12/21	12.30 to 1.30	Container class, Layout, FlowLayout		
35	31/12/21	9 to 10	Event Delegation Model, Card Layout		
36	05/01/22	12.30 to 1.30	Key Event, Mouse Event, Focus Event		
37	07/01/22	9 to 10	Grid Layout, Key Listener Adapter class		
38	10/01/22	12.30 to 1.30	Grid Bag Layout, Mouse Motion Listener		
39	12/01/22	12.30 to 1.30	Menu, Scrollbar, Inner class		
~~40~~	~~14/01/22~~				
			Direct Second Year.		
01	17/01/22	11 to 12	Theory + Operators		
02	19/01/22	12.30 to 1.30	classes & objects, methods constructor		
03	20/01/22	10 to 11	Static, this, keyword, command line arguments		
04	24/01/22	1.30 to 3.30	Inheritance, method overloading		
			method overriding, static methods, final keywords, etc		

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Execution Plan

Name of Faculty: Prof. G. J. Sawale **Subject Code: 3KS04** **Section: C**

Subject Name: DS **Semester: III** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
01	22/09/21	9 to 10	Introduction to Data Structures		
02	23/09/21	11:30 to 12:30	Mathematical Notation, Algorithm notation		
03	24/09/21	10 to 11	Algorithmic notation & Examples		
04	29/09/21	9 to 10	fixed length storage & Variable length storage		
05	30/09/21	11:30 to 12:30	Word/text Processing Examples		
06	01/10/21	10 to 11	Pattern Matching Algo		
07	07/10/21	11:30 to 12:30	Examples on Comparison		
08	08/10/21	10 to 11	Examples on Comparison, Array, Linear Array		
09	13/10/21	9 to 10	Bubble Sort & Examples.		
10	14/10/21	11:30 to 12:30	Binary Search & Examples.		
11	20/10/21	9 to 10	Multi Dimensional & Single Dimen Array		
12	21/10/21	11:30 to 12:30	Sparse Matrices, Memory Address		
13	22/10/21	10 to 11	Effective Address & Problems.		
14	27/10/21	9 to 10	Linked List, Traversing, Searching		
15	28/10/21	11:30 to 12:30	Insertion/Deletion Operation		
16	29/10/21	10 to 11	Header Linked List		
17	10/11/21	9 to 10	Problems on Header Linked list		
18	11/11/21	11:30 to 12:30	Problems on Insertion Deletion		
19	12/11/21	10 to 11	Two Way List & Memory Allocation & Garbage Collection		
20	24/11/21	9 to 10	Problem on Linked list		
21	25/11/21	11:30 to 12:30	Stacks, General Representation		
22	26/11/21	10 to 11	Algo on PUSH and POP		
23	01/12/21	9 to 10	Arithmetic Exp. Polish Notation		
24	02/12/21	11:30 to 12:30	Quick Sort Algo & Problems		
25	03/12/21	10 to 11	Problem on Infix to Postfix		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	08/12/21	9 to 10	Recursion & Problems on Recursion		
27)	09/12/21	11:30 to 12:30	Tower of Hanoi & Problems		
28)	10/12/21	10 to 11	Problems based on Stack, Queue, Deque		
29)	15/12/21	9 to 10	Infix to Postfix conversion using stack & Binary Tree		
30)	16/12/21	11:30 to 12:30	Memory Representation of Binary Tree & Traversing		
31)	17/12/21	10 to 11	Traversing of Binary Tree & Binary Search Tree		
32)	22/12/21	9 to 10	Heap and Heap Sort Problems		
33)	23/12/21	11:30 to 12:30	Path length & Huffman Algo		
34)	24/12/21	10 to 11	Problems on Huffman & Heap		
35)	29/12/21	9 to 10	Introduction to Graphs, Binary Tree Representation, Sparse Matrix		
36)	30/12/21	11:30 to 12:30	Insertion, Selection, Merge Sort		

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Execution Plan

Name of Faculty: Prof. Ms. A. B. Pahurkar **Subject Code: 3KS05** **Section: C**

Subject Name: ADE **Semester: III** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	20/09/21	9 to 10 am	Introduction to semiconductor		
2	22/09/21	10 to 11 am	Types of semiconductors		
3	23/09/21	12:30 to 1:30	Introduction to p-n junction diode		
4	27/09/21	9 to 10 am	V-I characteristics & parameters of diode		
5	29/09/21	10 to 11	NPN & PNP types of transistors		
6	30/09/21	12 to 1 pm	CB, CE & CC configuration of transistor		
7	4/10/21	9 to 10 am	I/p & o/p Char. of CB, CE & CC config.		
8	7/10/21	12 to 1:30	Numericals		
9	11/10/21	9 to 10	Unit 2 - Introduction to FET		
10	13/10/21	10 to 11	Drain & Transfer char.		
11	14/10/21	12:30 to 1:30	Numericals		
12	18/10/21	9 to 10	Introduction to MOSFET		
13	20/10/21	10 to 11	Depletion & Enhancement MOSFET		
14	21/10/21	12:30 to 1:30	CMOS Introduction		
15	25/10/21	9 to 10	Unit 3 - Introduction to Number System		
16	27/10/21	10 to 11	Conversion of Decimal number systems		
17	28/10/21	12:30 to 1:30	Numericals		
18	8/11/21	9 to 10	Exercise		
19	10/11/21	10 to 11	2's compliment substraction		
20	14/11/21	12:30 to 1:30	(r-1)'s complement substraction		
21	22/11/21	9 to 10 am	Complex codes		
22	24/11/21	10 to 11 am	ASCII & EBCDIC Codes		
23	25/11/21	12:30 to 1:30	Unit 4 - Boolean Theorem		
24	29/11/21	9 to 10	Problems on Boolean theorem		
25	1/12/21	10 to 11	K-map techniques		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	2/12/21	12 to 1:30	Problems on K-map technique		
27	6/12/21	9 to 10 am	Problems for SOP & POS realization		
28	8/12/21	10 to 11	Problems on Don't Care Condition		
29	9/12/21	12:30 to 1:30	Tabulation method		
30	16/12/21	12:30 to 1:30	Unit 5:- Adder & Subtractor		
31	20/12/21	9 to 10 am	Multiplexer, Encoder & Decoder		
32	22/12/21	10 to 11	Comparator, Parity checker		
33	23/12/21	12:30 to 1:30	PLA & Rom Structure		
34	30/12/21	12:30 to 1:30	Unit 6:- SR & JK flip flop		
35	3/1/22	9 to 10	master-slave JK flip flop, T & D		
36	5/1/22	10 to 11	Shift register, Bidirectional		
37	6/1/22	12:30 to 1:30	Ring Counter & Twisted Ring Counter		
38	10/1/22	9 to 10	Examples on Counter		
39	12/1/22	10 to 11	Revised unit 1 & 2.		
40	13/1/22	12:30 to 1:30	Revised 3, 4 & 5 unit		

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Execution Plan

Name of Faculty: Prof. Ms. Y. S. Alone **Subject Code:** 5KS01 **Section:** A

Subject Name: DBMS **Semester:** V **Year:** Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	23/8/21	10 to 11	Introduction to Database system		
2	24/8/21	9 to 10	DBS Application, DBS Vs File system, View of Data, Data model		
3	25/8/21	9 to 10	Database Languages, DB users & Administrator		
4	27/8/21	2 to 3	Database system structure		
5	30/8/21	10 to 11	Database Application Architecture		
6	31/8/21	9 to 10	Transaction Management		
7	01/9/21	9 to 10	Introduction to Relational model		
8	3/9/21	10 to 11	Design constraints		
9	6/9/21	10 to 11	Participation constraints		
CAO 10	8/9/21	11 to 12	keys with example (SK, PK)		
11	8/9/21	12:30-1:30	Foreign key		
CAO 12	9/9/21	10 to 11	Roles, Tenancy Relationship		
13	14/9/21	9 to 10	Weak Entity set		
14	15/9/21	9 to 10	Entity-Relationship Diagram		
15	17/9/21	11 to 12	Extended E-R Features		
16	20/9/21	10 to 11	Problem Based on E-R Diagram		
17	21/9/21	9 to 10	Problem Based on E-R Diagram		
18	22/9/21	12 to 01	Unit 2 SQL introduction		
19	24/9/21	10 to 11	Basic SQL instructions		
20	27/9/21	10 to 11	Select clause, Where clause		
21	28/9/21	12:30 to 1:30	Aggregation function		
22	29/9/21	9 to 10	Problem Based on SQL query		
23	01/10/21	2 to 3	Problem Based on SQL query		
24	04/10/21	10 to 11	Join, Division, set Difference		
25	05/10/21	12:30 to 1:30	Relational Algebra		

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26.	8/10/21	2 to 3	Modification of the database	[signature]	
27.	8/10/21	10 to 11	Unit-3 Database Modification	[signature]	
28.	20/10/21	12:30 to 1:30	cascade & update cascade Delete cascade	[signature]	
29.	22/10/21	2 to 3	Trigger	[signature]	
30.	25/10/21	10 to 11	Authorization Grant Graph	[signature]	
31.	26/10/21	12:30 to 1:30	Encryption, Authentication (P)	[signature]	
32	27/10/21	12:30 to 1:30	Functional Dependency	[signature]	
33	29/10/21	2 to 3	Type of functional Dependency	[signature]	
34.	8/11/21	1:30 to 2:30	Problem based on Functional Dependency	[signature]	
35	9/11/21	12:30 to 1:30	Normalization	[signature]	
36	10/11/21	12:30 to 1:30	Unit-5 Transaction Management	[signature]	
37	12/11/21	2 to 3	Properties of Transaction	[signature]	
38.	22/11/21	10 to 11	State of Transaction, con-currency control	[signature]	
39.	23/11/21	12:30 to 1:30	schedule, type of schedule	[signature]	
40.	24/11/21	12:30 to 1:30	serializability	[signature]	
41.	26/11/21	2 to 3	Recoverable schedule, cascadeless schedule & strict schedule	[signature]	
42	29/11/21	10 to 11	Unit-6 Lock Based Protocol	[signature]	
43	30/11/21	12:30 to 1:30	Two-phase Locking protocol	[signature]	
44	1/12/21	12:30 to 1:30	Implementation of locking	[signature]	
45	03/12/21	9 to 10	Timestamp-based protocol	[signature]	
46	6/12/21	10 to 11	Unit-4 Query Processing	[signature]	
47	7/12/21	9 to 10	Query Evaluation plan, optimization.	[signature]	
48	9/12/21	9 to 10	Evaluation of Expression, Materialized View	[signature]	
49	10/12/21	2 to 3	Query optimization	[signature]	

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Execution Plan

Name of Faculty: Dr. S. R. Gupta **Subject Code: 5KS02** **Section: A**
Subject Name: CD **Semester: V** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
Unit-I 01	23/08/2021	11 to 12	Introduction to Compilers		
02	25/08/2021	11 to 12	Compilers, Language Processor		
03	26/08/2021	11 to 12	The Structure of Compilers		
04	31/08/2021	10 to 11	The Phase & Passes of Compilers		
05	01/09/2021	10 to 11	Lexical Analysis: The Role of Lexical Analysis		
06	02/09/2021	11 to 12	Lexical Analysis, Input Buffering		
07	06/09/2021	11 to 12	Recognition of Tokens & Regular Expressions		
08	08/09/2021	10 to 11	The Lexical Analyzer generator Lex.		
09	09/09/2021	11 to 12	Finite Automata,		
10	15/09/2021	10 to 11	From Regular Expression to Finite Automata		
11	16/09/2021	11 to 12	State Minimization of DFA		
Unit-II 12	20/09/2021	11 to 12	Syntax Analyzer: The Role of Parser.		
13	22/09/2021	10 to 11	Review of Context Free Grammar		
14	23/09/2021	11 to 12	Parse Tree and Derivation Tree, Ambiguity in Grammar		
15	27/09/2021	11 to 12	Elimination of Left Recursion and Left Factoring		
16	29/09/2021	10 to 11	Top-Down parsing: Recursive Descent Parsing		
17	30/09/2021	11 to 12	Predictive Parser.		
18	05/10/2021	10 to 11	Transition Diagrams for Parser parser.		
19	07/10/2021	11 to 12	FIRST and FOLLOW		
20	14/10/2021	11 to 12	Problems on FIRST and FOLLOW		
21	18/10/2021	11 to 12	LL(1) Grammars, Cond. of Predictive Parsing Table		
Unit-III 22	20/10/2021	10 to 11	Construction of Predictive parsing table, Non Recursive Predictive Parsing		
23	21/10/2021	11 to 12	Error Recovery in Predict. Parsing		
24	25/10/2021	11 to 12	Bottom-Up Parsing: Handle Pruning		
25	27/10/2021	10 to 12	Stack Implementation of S-R Parsing, Parse trees and Derivation, Conflict during shift-reduce parsing, Introduction to LR Parsing.		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	28/10/2021	11 to 12	Simple LR, Items and the LR(0) Automation The LR Parsing algorithm, Const. SLR parsing		
27	08/11/2021	11 to 12	More powerful LR parsers: Canonical LR(1) Items		
28	10/11/2021	10 to 11	Constructing LR(1) sets of items &		
29	11/11/2021	11 to 12	Constructing LALR parsing tables. The parser generator YACC		
Unit-III 30	22/11/2021	11 to 12	Syntax-Directed Translation: Syntax Directed Definition.		
31	25/11/2021	11 to 12	Inherited and Synthesized attributes.		
32	29/11/2021	11 to 12	Evaluation Order of SDD's: Dependency Graph. S-Attributed definitions, L-Att. Definitions.		
33	01/12/2021	10 to 11	Application of Syntax Directed Translation, Const. of Syntax Tree, SDT scheme		
Unit-IV 34	02/12/2021	11 to 12	ICG: Variant of ST: DAG, Three Address Code, Run-Time Env.: storage Org. Static & Dynamic storg.		
35	06/12/2021	11 to 12	Stack Allo. Space: Activation Tree & Recursion, Calling seq. N.L Data on Stack, Access to Non-local Data on the stack Heap Manager: Intro. to GC		
Unit-V 36	08/12/2021	10 to 11	Code Generation: Issues in Design of C.G. The Target Lang. Address in Target Code, Basic Block & Flow Graph		
37	09/12/2021	11 to 12	Optimization of Basic Blocks, Peephole Organisation and The Principal sources of Optimization.		

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Name of Faculty: Prof. P. P. Kadu **Subject Code: 5KS03** **Section: A**

Subject Name: CAO **Semester: V** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	24/08/21	10 to 11	Basic Structure of Comp. H/w, S/w		
2	25/08/21	11 to 12	Functional Units, Basic Operation		
3	26/08/21	9 to 10	Bus Structures, Addressing Methods		
4	30/08/21	11 to 12	Machine Program sequencing		
5	01/09/21	11 to 12	Memory locations Addresses		
6	02/09/21	10 to 11	Instruction & Instn sequencing		
7	15/09/21	11 to 12	Memory Unit : Basic Concepts		
8	16/09/21	10 to 11	Memory Hierarchy, RAM		
9	14/09/21	10 to 11	Addressing Modes, Basic I/o Operations		
10	21/09/21	10 to 11	Internal organization of Memory chips		
11	22/09/21	11 to 12	Static memories, Dynamic Memories		
12	23/09/21	10 to 11	ROM, Speed, size & Cost.		
13	28/09/21	10 to 11	Processing Unit		
14	29/09/21	11 to 12	Fundamental concepts		
15	30/09/21	10 to 11	Execution of Complete Instruction		
16	04/10/21	11 to 12	Hardwired Control		
17	06/10/21	11 to 12	Performance Consideration		
18	07/10/21	10 to 12	Microprogram Control		
19	12/10/21	10 to 11	Binary Addition & Substraction		
20	13/10/21	11 to 12	Addition & Substraction of signed numbers		
21	14/10/21	10 to 11	Half Adder, Number Representation		
22	20/10/21	11 to 12	Full Adder		
23	21/10/21	10 to 11	& Multiplication Binary		
24	26/10/21	10 to 11	multiplication of signed Number		
25	27/10/21	11 to 12	Booth multiplier		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26)	28/10/24	10 to 11	Fast Multiplication		
27)	09/11/24	10 to 11	fast multiplication		
28)	10/11/24	11 to 12	Binary Division		
29)	11/11/24	10 to 11	Binary Division, floating Pt-No.		
30)	23/11/24	10 to 11	Restoring/Non-Restoring Division		
31)	24/11/24	11 to 12	Floating Pt. No. Representation		
32)	25/11/24	10 to 11	Floating Pt. No. Representation / Revision		
33)	30/11/24	10 to 11	Accessing I/O Devices, Interrupts		
34)	01/12/24	11 to 12	Enabling & Desabling Interrupts, DMA		
35)	04/12/24	10 to 11	Standard I/O Interfaces		
36)	07/12/24	10 to 11	Parallel Processor		
37)	08/12/24	11 to 12	Multithreading, Clustering		
38)	09/12/24	10 to 11	Pipeling & Hazards		

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Execution Plan

Name of Faculty: Prof. S. S. Dandge **Subject Code: 5KS02** **Section: B**

Subject Name: CD **Semester: V** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	23/08	10to11	Unit-I: def^n of compiler, structure phases of compiler.	SR	
2	24/08	12:30to1:30	problem base on compiler	SR	
3	25/08	10to11	Syntax Tree of for, while, if-else	SR	
4	30/08	10to11	problem base on cond^n loop.	SR	
5	31/08	12:30 to 1:30	Symbol Table with eg.	SR	
6	01/09	10to11	Role of lexical analyzer & issues	SR	
7	06/09	10to11	Input buffering ; Finite Automata	SR	
8	08/09	10to11	Regular exprn to finite automata	SR	
9	14/09	12:30to 1:30	Minn of DFA.	SR	
10	15/09	10to11	Revision of unit-I.	SR	
11	20/09	10to11	Unit-II Role of parser, grammar comparision of grammar	SR	
12	21/09	10to11	Derivation LMD, RMD, Ambigious grammar.	SR	
13	22/09	11to12	Recursive Descent parser.	SR	
14	27/09	10to11	Elimination of left recursion left factoring.	SR	
15	28/09	10to11	How to find FIRST and FOLLOW	SR	
16	29/09	11to12	example of First and Follow, start problem on LL(1)	SR	
17	04/10	10to11	Problem based on LL(1) & Verification using calculator	SR	
18	05/10	10to11	Error Recovery in Predictive parser	SR	
19	06/10	11to12	Transition dig: Predictive Parser - SR		
20	13/10	10to11	Revision of Unit-II, Solve University asked problem	SR	
21	20/10	11to12	Unit3 : Bottom up parser: eg. of shift Reduce,	SR	
22	25/10	10to11	SLR: LR(0) item, SLR parsing	SR	
23	26/10	10to11	Problem base on SLR.	SR	
24	27/10	10to11	Conflict eg: of SLR (Shift-Reduce)	SR	
25	08/11	10to11	CLR: How to find LR(1) item	SR	

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	09/11/21	10 to 11	CLR parsing table, eg. of CLR.	SR	
27	10/11/21	11 to 12	eg CLR, LR(1)	SR	
28	22/11/21	10 to 11	LALR Parsing table, eg.	SR	
29	23/11/21	10 to 11	eg LALR, Error Recovery BUP.	SR	
30	24/11/21	11 to 12	Revision of unit 3.	SR	
31	25/11/21	11 to 12	Unit-4 Syntax directed defn, defn of S attribute, i-attribute	SR	
32	29/11/21	10 to 11	Desk-calculator by using S-attri-	SR	
33	29/11/21	11 to 12	Syntax Tree :- mknode, mkleaf writing	SR	
34	30/11/21	10 to 11	DAG with eg, i-attribute	SR	
35	1/12/21	11 to 12	Top down Translation & Revised.	SR	
36.	06/12/21	10 to 11	Unit5 : Run time environment. Activation Tree, Activation Record.	SR	
37	7/12/21	10 to 11	Caller, callee Responsibility, Run time Storage organization	SR	
38	8/12/21	9 to 10	Symbol table	SR	
39.	9/12/21	12:30 to 1:30	Unit-6: Assignment St. Addressing Mode: quadruple, triple, indirect	SR	
40	10/12/21	10 to 11	Basic Block, flow graph, issues of code generator	SR	
41	10/12/21	1:30 to 2:30	Dangling ref, principal source of optim	SR	

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Execution Plan

Name of Faculty: Prof. S. P. Ingale **Subject Code: 5KS03** **Section: B**

Subject Name: CAO **Semester: V** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	23-08	11-12	Introduction : Basic structure of computer		
2	25-08	10-11	Basic structure of computer H/w/s/w		
3	26-08	10-11	functional Unit :		
4	30-08	10-11	functional unit Basic Operational Concept		
5	01-09	10-11	Bus Structure		
6	02-09	10-11	Addressing Methods & Machine Program Sequencing.		
7	06-09	11-12	Memory location Address.		
8	08-09	10-11	Instructions & Instruction Sequencing		
9	09-09	10-11	Addressing modes		
10	15-09	10-11	Addressing modes continue		
11	16-09	10-11	Basic I/O OPERATIONS		
12	20-09	11-12	Unit II : Basic Concept of M.U.		
13	22-09	10-11	Internal organisation of Memory chips		
14	23-09	10-11	Static Memories		
15	27-09	11-12	Dynamic Memories.		
16	29-09	10-11	Memory System Controller		
17	30-09	10-11	Memory hierarchy.		
18	04-10	11-12	Memory hierarch, size speed cost Revision		
19	7-10	10-11	Unit III : Number Representation		
20	14-10	10-11	Design of fast adders, Signed		
21	18-10	10-11	Signed Addition and substraction		
22	20-10	10-11	Fast addition, fast adders		
23	21-10	10-11	Multiplication of Signed Integer		
24	25-10	11-12	Booth multiplier, fast Multiplication		
25	26-10	11-12 AM	Integer Division, floating pint No.		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	28-10-21	10-11	Floating point number representation & operations	[signature]	
27	8-11-21	10-11	Unit 3 Basic Processing Unit	[signature]	
28	9-11-21	10-11	fundamental concept; execution of complete instruction	[signature]	
29	10-11-21	10-11	execution & complete instruction	[signature]	
30	22-11-21	11-12	Hardwired Control	[signature]	
31	25-11-21	10-11	Performance Consideration	[signature]	
32	1-12-21	10-11	microprogrammed Control,	[signature]	
33	1-12-21 E	11-12	micro instruction, Sequencing	[signature]	
34	2-12-21	10-11	Unit 4: I/O organization, Accessing I/O Devices, Interrupts	[signature]	
35	4-12-21 E	10-11	Interrupts, enabling and disabling interrupts	[signature]	
36	6-12-21	11-12	Handling multiple devices	[signature]	
37	7-12-21	10-11	DMA, I/O hardware	[signature]	
38	8-12-21	10-11	Standard I/O Interface SCSI	[signature]	
39	9-12-21	10-11	SCSI UNIT 6: Parallel processing and pipelining processing	[signature]	
40	10-12-21	11-12	Parallel Processing, Array Processor, The structure of General purpose	[signature]	
41	12-12-21 E	12-1	multiple processor, Symmetric multiprocessor	[signature]	
		-11-	Pipelining, Basic Concepts of	[signature]	
		-11-	pipelining, Pipelining hazard	[signature]	

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Execution Plan

Name of Faculty: Prof. R. R. Karwa **Subject Code:** 5KS01 **Section:** C

Subject Name: DBMS **Semester:** V **Year:** Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	24/8/21	12.30-1.30	Introduction to DB, Goal, Application	BKarwa	
2	25/8/21	10-11	File system Vs DB System, Schema, Instans	BKarwa	
3	25/8/21	11-12	Data independence, Level of Abstraction	BKarwa	
4	27/8/21	2-3	Introduction to Data Model, Database language	BKarwa	
5	30/8/21	11-12	Query Processor, Storage manager, Disk Storage	BKarwa	
6	31/8/21	10-11	DB Architecture, Application architecture	BKarwa	
7	1/9/21	10-11	Concept of ER model.	BKarwa	
8	1/9/21	11-12	ER model to Relational model	BKarwa	
9	2/9/21	11-2	Keys & its types.	BKarwa	
10	3/9/21	2-3	Entity set - Strong, Weak, other topics	BKarwa	
11	6/9/21	10-11	Extended E-R features	BKarwa	
12	8/9/21	10-11	Other related topics of ER Model & its-	BKarwa	
13	9/9/21	11-12	other Data Model & revision.	BKarwa	
14	14/9/21	10-11	Introduction to Relational Database	BKarwa	
15	16/9/21	11-12	SQL. Basics - DDL, DML queries	BKarwa	
16	17/9/21	2-3	Normalization basics	BKarwa	
17	28/9/21	12.30-1.30	Queries - Logical, Pattern matching, Range, Set Membership	BKarwa	
18	29/9/21	10-11	Queries - SQL Group by, Order by, having	BKarwa	
19	30/9/21	11-12	Queries - Join - Inner, Outer, Natural.	BKarwa	
20	1/10/21	2-3	Queries - Set opn - U, ∩, − (SQL)	BKarwa	
21	5/10/21	12.30-1.30	Relational Algebra - fundamental	BKarwa	
22	7/10/21	11-12	Relational Algebra - Additional.	BKarwa	
23	8/10/21	2-3	Relational Algebra (Extended Modified), TRC	BKarwa	
24	14/10/21	11-12	TRC, DRC	BKarwa	
25	20/10/21	10-11	Functional Dependency.	BKarwa	

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	21/10/21	11-12	Decomposition, Types of FD		
27	22/10/21	2-3	Normal form - Introduction		
28	25/10/21	10-11	Normal forms - 2nd, 3rd, 4th		
29	26/10/21	12:30 1:30	Higher Normal forms		
30	27/10/21	10-11	Integrity Constraints		
31	28/10/21	11-12	Assertion		
32	29/10/21	2-3	Trigger, Introduction to Security		
33	08/11/21	11-12	Security		
34	09/11/21	12:30-1:30	Introduction to Transaction, ACID		
35	10/11/21	10-11	ACID, Implementation to Atomicity Durability		
36	10/11/21	11-12	Schedule - Serial, Non Serial		
37	12/11/21	2-3	Recoverable schedule Example		
38	25/11/21	11-12	Non Recoverable schedule		
39	26/11/21	2-3	Cascadeless Vs Cascading		
40	30/11/21	12:30-1:30	Serializability - Confict		
41	1/12/21	12:30-1:30	Serializability - View		
42	2/12/21	10-11	Lock based Protocol - Shared Exclusive		
43	3/12/21	2-3	2PL, Strict, Rigurous		
44	7/12/21	10-11	Graph Based Protocol Multiple Granularity		
45	10/12/21	2-3	Timestamp, Validation		
46	17/12/21	2-3	Query Processing & Optimization		

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Execution Plan

Name of Faculty: Prof. Ms. R. A. Kale **Subject Code: 5KS02** **Section: C**

Subject Name: CD **Semester: V** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	08/09/21	11-12	Introduction to compilers: language processor		
2	14/09/21	10-11	The structure of compiler		
3	15/09/21	10-11	phases of compiler examples		
DBMS 4	15/09/21	11-12	phases of compiler examples, Role of lexical analysis		
5	20/09/21	11-12	Specification & Recognition of token, token, lexeme, pattern examp.		
6	21/09/21	10-11	Input Buffer, Recognition of numbers.		
7	22/09/21	11-12	lex, finite Automata,		
DBMS 8	22/09/21	12-1	From RE to FA, State minimizatn of DFA.		
DBMS 9	23/09/21	10-11	Unit-2: Role of parser, Review of conter free grammar		
10	27/09/21	11-12	Ambiguity, Remove left Recursion, Remove left factorial, Backtracking		
11	28/09/21	10-11	Backtracking examples, Intro. Predictive parser		
12	29/09/21	11-12	Computing FIRST Rules & examples.		
13	03/10/21	11-12	FIRST & Follow's examples		
14	05/10/21	10-11	Predictive parser examples		
15	18/10/	11-12	Predictive Parsing examples		
16	20/10/	11-12	LL(1) grammar examples		
17	25/10	10-12	LL(1) grammar examples		
18	26/10/	10-11	Predictive parsing [illegible] Recovery Unit-3 (Bottom-up parsing Intro)		
19	27/10	11-12	Shift Reduced parser		
20	22/11	11-12	Shift Reduced Parser		
21	23/11	10-11	CLR Parser		
22	23/11	1-2	CLR Parser		
23	24/11	11-12	LALR Parser examples		
24	22/11	2-3	Moves of SLR Parser		
25	29/11	11-12	LALR Parser, CLR & SLR parser comparision, The parser generator tool - YACC.		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	30/11/21	10-11	Syntax Directed translation. SDD, its synthesis att- example		
27	01/12/21	11-12	Inherited attributes example, Dependency graph.		
28	02/12/21	11-12	Construction of syntax tree		
29	06/12/21	11-12	Top Down translation		
30	06/12/21	2-3	Unit-5 :- TAC, Repeesentation, DAG		
31	07/12/21	1-2	Run time envirionments, stack allocation of space		
32	07/12/21	2-3	Heap Manager, Design goal of the garbage collector.		
33	08/12/21	10-11	Unit-6 :- Issues in the, target language, Addresses in the target code.		
34	8/12/21	11-12	Basic block & Flow graph, optimization of B.B, & peephole optimization & the principal sources of optimization		

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Execution Plan

Name of Faculty: Prof. Ms. N. M. Yawale **Subject Code: 5KS03** **Section: C**

Subject Name: CAO **Semester: V** **Year: Third Year**

extra

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
01	23/8/21	10 to 11	Unit I : Basic structure of computer H/W & S/W	Yaw	
CD 02	24/8/21	12:30 to 1:30	Functional unit	Yaw	
03	25/8/21	12:30 to 1:30	Basic operational concepts	Yaw	
04	26/8/21	10 to 11	Bus structure, Add. Modes	Yaw	
CD 05	26/8/21	11 to 12	Addressing Modes	Yaw	
06	30/8/21	10 to 11	Addressing Modes	Yaw	
CD 07	31/8/21	12:30 to 1:30	M/c Program Sequencing	Yaw	
08	01/9/21	12:30 to 1:30	Addressing Methods, Addresses	Yaw	
09	02/9/21	10 to 11	Basic I/O operations.	Yaw	
10	06/9/21	10 to 11	Unit II : Basic concept of M.U.	Yaw	
11	07/9/21	12:30 to 1:30	Memory Hierarchy	Yaw	
12	09/9/21	10 to 11	Internal Organization of Memory chips	Yaw	
13	15/9/21	12:30 to 1:30	SRAM cell	Yaw	
14	16/9/21	10 to 11	Asynchronous DRAM	Yaw	
15	20/9/21	10 to 11	Synchronous DRAM	Yaw	
DBMS 16	21/9/21	12:30 to 1:30	Static Memories	Yaw	
17	22/9/21	10 to 11	Dynamic Memories	Yaw	
18	23/9/21	11 to 12	Memory System Controller	Yaw	
DBMS 19	24/9/21	1:30 to 2:30	Unit III 5) Algorithm: Introduction	Yaw	HEAD Department of Computer Science & Engineering P.R.M.I.T.R., Badnera-Amravati
20	27/9/21	10 to 11	Binary Addition, substraction multiplication memory I/O	Yaw	
21	29/9/21	12:30 to 1:30	Addition & Substraction of signed Numbers	Yaw	
22	30/9/21	10 to 11	Half adder & full adder	Yaw	
23	04/10/21	10 to 11	Booth Multiplier	Yaw	
24	7/10/21	10 to 11	Booth multiplier	Yaw	
25	14/10/21	10 to 11	Fast Multiplier	Yaw	

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	18/10/21	10 to 11	Fast multiplier	Ajaw	
27	20/10/21	12:30 to 1:30	Binary Division	Ajaw	
28	21/10/21	10 to 11	Floating point Number	Ajaw	
29	25/10/21	10 to 11	Unit 3 : Processing unit (functional concept)	Ajaw	
30	27/10/21	12:30 to 1:30	Register to Register data transfer	Ajaw	
31	28/10/21	10 to 11	Data transfer Architecture	Ajaw	
32	08/11/21	10 to 11	Timing Diagram	Ajaw	
33	09/11/21	10 to 11	Processing unit operations	Ajaw	
34	10/11/21	12:30 to 1:30	Execution of branch instn, Multiple Bus organization	Ajaw	
35	11/11/21	10 to 11	Hardwired & microprogrammed control	Ajaw	
36	11/11/21	11 to 12	Microprogrammed Sequencing	Ajaw	
37	22/11/21	10 to 11	Unit 4 Accessing I/O Device	Ajaw	
38	24/11/21	12:30 to 1:30	Interrupts, Enabling &	Ajaw	
39	25/11/21	10 to 11	Disabling Interrupts	Ajaw	
40	29/11/21	10 to 11	DMA	Ajaw	
41	01/12/21	12:30 to 1:30	Standard I/O Interfaces	Ajaw	
42	02/12/21	10 to 11	Unit 6 pipeline Processor	Ajaw	
43	06/12/21	10 to 11	Taxonomy of Parallel processor	Ajaw	
44	8/12/21	12:30 to 1:30	Multithreading	Ajaw	
45	9/12/21	10 to 11	clustering	Ajaw	
46	10/12/21	11:30 to 12:30	Pipeling & pipelining Hazards	Ajaw	

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Execution Plan

Name of Faculty: Prof. A. R. Deshmukh **Subject Code: 5KS04** **Section: PE**

Subject Name: DS&S **Semester: V** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
01	23/08/21	12:30 to 1:30	Introduction to Data Science & Statistics		
02	24/08/21	11 to 12	What is Data science, Statistical Inference		
03	26/08/21	12:30 to 01:30	Exploratory data Analysis		
04	30/08/21	12:30 to 1:30	Data Science process, Stages of Data Science project		
05	31/08/21	09:00 to 10:00	Supervised & unsupervised learning		
06	02/09/21	12:40 to 1:30	Regression vs Classification problem		
07	06/09/21	12:30 to 1:30	Introduction to Linear Regression		
08	09/09/21	12:30 to 1:30	Simple Linear Regression		
09	14/09/21	11 to 12	Estimating the coefficient		
10	16/09/21	12:30 to 1:30	Assessing the accuracy of coefficient estimates		
11	20/09/21	12:30 to 1:30	Multilinear Regression		
12	23/09/21	12:30 to 1:30	Estimating the regression coefficient		
13	27/09/21	12:30 to 1:30	Comparision of linear regression with K-nearest neighbors		
14	28/09/21	11:00 to 12:00	An overview of classification		
15	30/09/21	12:30 to 1:30	Classification, Why not linear Regression		
16	04/10/21	12:30 to 1:30	The Logistic model		
17	05/10/21	11:00 to 12:00	Regression coefficients, making predictions		
18	07/10/21	12:30 to 1:30	multiple logistic Regression, Response classes		
19	14/10/21	12:30 to 1:30	Linear Discriminant Analysis		
20	18/10/21	12:30 to 1:30	Bayes Theorem, LDA for $P=1$ & $P>1$		
21	21/10/21	12:30 to 1:30	Quadratic Discriminant Analysis		
22	25/10/21	12:30 to 1:30	cross validation: The validation set Approach		
23	26/10/21	11:00 to 12:00	Leave-one-out & K-Fold cross validation		
24	28/10/21	12:30 to 1:30	Subset Selection: Best subset selection, Stepwise, optimal model		
25	08/11/21	12:30 to 1:30	Shrinkage methods: Ridge Regression, Lasso Regression		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	09/11/21	11 to 12	Selecting tuning parameter, Dimension Reduction		
27	11/11/21	12:30 to 1:30	Principal component Regression, Considerations in high dimensions		
28	22/11/21	12:30 to 1:30	Polynomial Regression, Step function		
29	23/11/21	11:00 to 12:00	Regression & classification problem		
30	25/11/21	12:30 to 1:30	Decision Regression & classification tree		
31	29/11/21	12:30 to 1:30	Bagging, Boosting, Random forest		
32	30/11/21	9:00 to 10	maximal margin classifier		
33	02/12/21	12:30 to 1:30	hyper plane & classification, support vector machine		

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Execution Plan

Name of Faculty: Prof. Ms. S. V. Kalbande **Subject Code: 5KS04** **Section: PE**

Subject Name: DS&S **Semester: V** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	23/08/21	12.30-1.30	Introduction :- What is Data Sci.		
2	24/08	11-12	Statistical Inference, Exploratory.		
3	26/08	12.30	Data sci. Process, Statistical learning		
4	30/08	12.30	Trade off bet^n prediction & Accuracy		
5	31/08	11.00	Model Interpretability, Sup. Vs Uns.		
6	02/09	12.30	Regression Vs. Classification Prob		
7	06/09	11.00	Accessing Model Accuracy.		
8	07/09	12.30	Measuring Quality of Fit.		
9	09/09	11.00	Bias Variance Trade off, classifier		
10	13/09	12.30	Classification setting.		
11	14/09	11.00	Simple Linear Regression - U2		
12	16/09	12.30	Accessing the Accuracy coeff. estimate		
13	20/09	11.00	Accessing Accuracy of Model		
14	21/09	12.30	Multiple Linear Regression		
15	23/09	12.30	Estimating Regression coefficient		
16	27/09	12.30	Other Consideration in Regression Model		
17	28/09	11.00	Qualitative Predictors		
18	30/09	12.30	Extension of Linear Model		
19	04/10	12.30	Potential Problems		
20	05/10	11.00	The marketing plans		
21	07/10	12.30	Comparision of Linear Regression		
22	11/10	12.30	K-NN (K-Nearest Neighbors)		
23	12/10	11.00	U3 - Classification		
24	14/10	12.30	A overview of classification		
25	18/10	12.30	Why not linear Regression		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	19/10	11.00	Logical Regression	[signature]	
27	21/10	12.30	Logistic Regression coefficient	[signature]	
28	25/10	12.30	Linear Discriminant Analysis	[signature]	
29	26/10	11.00	Estimating Regression Coefficient	[signature]	
30	28/10	12.30	Comparision of classification Method	[signature]	
31	01/11	12.30	Cross Validation, Set Approach	[signature]	
32	02/11	11.00	Leave-one-out, k-fold cross	[signature]	
33	04/11	12.30	Bias-Variance, Trade-off.	[signature]	
34	08/11	12.30	Classification problem	[signature]	
35	09/11	11.00	The Bootstrap.	[signature]	
36	11/11	12.30	U-4 Subset Selection, Best subset	[signature]	
37	16/11	11.00	Stepwise selection, optimal model	[signature]	
38	18/11	12.30	Shrinkage Method, Ridge Regression	[signature]	
39	22/11	9.00	The lasso, Selecting the turning	[signature]	
40	23/11	11.00	Dimension selecting Reduction	[signature]	
41	25/11	12.30	Principal componet Reduction	[signature]	
42	29/11	12.30	Partial Least squares	[signature]	
43	30/11	11.00	Interpreting Result in High Dimen	[signature]	
44	02/12	12.30	U-5 Moving Beyond Linearity	[signature]	
45	06/12	8.00	Polynomial Regression	[signature]	
46	07/12	11.00	Step Function, Regression splines	[signature]	
47	09/12	12.30	Piecewise polynomial, Boosting	[signature]	[signature]

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Name of Faculty: Prof. Ms. M. A. Deshmukh **Subject Code: 5KS04** **Section: PE**

Subject Name: ICS **Semester: V** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	23/08/21	12.30-1.30	Introduction to ICS		
2	24/08/21	11 to 12	CyberCrime & Info. Security, classification		
3	26/08/21	12.30-1.30	The legal perspective, Indian Persep.		
4	30/08/21	12.30-1.30	Cybercrime & Indian ITA 2000.		
5	31/08/21	11-12	A Global perspective on cybercrime		
6	2/9/21	12.30-1.30	Cybercrime Era.		
7	6/9/21	12.30-1.30	UNIT II : Cyber offenses - Intro.		
8	9/9/21	12.30-1.30	Attacks, Social Enggi		
9	13/9/21	11-12	Cyberstalking.		
10	14/9/21	12.30-1.30	Cybercafe & cybercrime.		
11	16/9/21	12.30-1.30	Botnets, Attack Vector		
12	20/9/21	12.30-1.30	Cloud computing.		
13	21/9/21	11-12	UNIT III : Mobile & wireless devie		
14	27/9/21	12.30-1.30	Proliferation of mobile & wireless.		
15	28/9/21	11-12	Trends in mobility		
16	30/9/21	12.30	Credit card fraud, Registry setting		
17	4/10/21	12.30	Authentication service security.		
18	5/10/21	11.00	Impl^n for organization, measures.		
19	7/10/21	12.30	Devie related security policies.		
20	11/10/21	12.30	Attacks on mobile/cell phones		
21	12/10/21	11.00	UNIT IV : Proxy server & Anonymizer		
22	14/10/21	12.30	Phishing Password Attacks.		
23	28/10/21	12.30	Key loggers & spywares, Virus & worms		
24	25/10/21	11.00	Trojan horse & backdoors, steganography		
25	26/10/21	12.30	SQL injection, Buffer overflow		

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Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	28/11/21	12.30	UNIT V : Access Rights, control sys.		
27	09/11/21	11.00	Authorization types, Principles.		
28	21/11/21	12.30	Autho. Granularity, web access.		
29	22/11/21	12.30	Authentication: Definition.		
30	23/11/21	11.00	multiple factors, Autho. elements.		
31	25/11/21	12.30	Types of Auth. Auth. methods.		
32	29/11/21	12.30	UNIT VI : system intrusion det.		
33	30/11/21	11.00	IDSs, Types of IDS		
34	2/12/21	12.30	IPS, Intrusion detection tools.		
35	6/12/21	12.30	The changing tools of IDS.		
36	7/12/21	11.00	Disaster Management, response.		
37	9/12/21	12.30	recovery, Resource for disaster & recovery, Disaster prevention.		

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Execution Plan

Name of Faculty: Prof. Ms. S. W. Ahmed **Subject Code: 5KS05** **Section: OE**

Subject Name: PM&E **Semester: V** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
01	3/09/21	3 to 4	Introduction to e-Marketing, wind up work		
02	04/09/21	11 to 1	B2B, B2C, C2B, C2C - definations		
03	11/09/21	11 to 1	Situation - Sloppy e marketing		
04	17/9/21	3 to 4	objectives, Sell, Serve, Speak		
05	18/9/21	11 to 1	Save, Sizzle, Internet as		
06	24/09/21	3 to 4	Brand building tool. e strategy		
07	25/09/21	11 to 1	Tactics, action & control.		
08	1/10/21	3 to 4	Revision, introduction, Marketing		
09	8/10/21	3 to 4	Mix, Beyond mix, Product, Price Place		
10	9/10/21	11 to 1	E-consumer		
11	16/10/21	11 to 1	E-models, Digital revenue Models		
12	22/10/21	3 to 4	Introduction to E-Tools, IDTV		
13	23/10/21	11 to 1	Mobile devices, Miscellaneous Tools		
14	29/10/21	3 to 4	Site design, online value proposition		
15	30/10/21	12 to 1	Dynamic presentation.		
16	12/11/21	3 to 4	Integrated design		
17	13/11/21	11 to 1	customer orientation, Page design		
18	26/11/21	8 to 9	Traffic building, SEM, online PR,		
19	27/11/21	11 to 1	online Partnership, Interactive adv		
20	3/12/21	3 to 4	E-CRM, introduction.		
21	4/12/21	11 to 1	E-customer Relationship Management		
22	10/12/21	8 to 4	Database Marketing, Personalization		
23	11/12/21	11 to 1	E-mail marketing, control issue		
			Cleaning the data base.		

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Execution Plan

Name of Faculty: Prof. Ms. N. A. Deshmukh **Subject Code: 5KS05** **Section: OE**

Subject Name: NAD **Semester: V** **Year: Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	27/8/22	3:00 PM	Introduction to Entreprenurship & myth	1hr.	
2	28/8/22	11:00AM	Types of startup firm & changing demographics	2hr.	
3	3/9/22	07:00PM	Entrepreneurship Importance.	1hr	
4	4/9/22	07:00PM	Regonizing opportunities & generating idea.	1hr	
5	1/10/22	03:00PM	Finding gaps in marked place & techniques.	1hr	
6	8/10/22	03:00PM	Encouraging & protecting new ideas	1hr	
7	9/10/22	11:00 AM	Feasibility Analysis (Product/Servic)	2hr	
8	16/10/22	11:00AM	Writing Business Plan & Investors.	2hr	
9	23/10/22	3:00PM	Importance of Intellectual property.	1hr	
10	23/10/22	11:00AM	Unique Marketing issues.	2hr	
11	29/10/22	3:00PM	Industry Analysis & trend, Scompetitive forces model and its value.	1hr	
12	30/10/22	11:00AM	Industry Types & its opportunities, competetor Analysis. Identifying competetors.	2hr	
13	12/10/22	3:00PM	Ethical & Legal Foundation	1hr	
14	20/10/22	11:00PM	Accessing new ventures financial strength & viability.	2hr	
15	26/10/22	3:00PM	Pro Forma Financial statements	1hr	
16	27/10/22	11:00PM	PET Entrance Exam	—	
17	3/10/22	3:00PM	New venture team.	1hr	

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Execution Plan

Name of Faculty: Prof. A. A. Chaudhari **Subject Code: 7KS01** **Section: A**

Subject Name: DSP **Semester: VII** **Year: Final Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	23/08/21	01.30-2.30	UNIT- I Introduction to Analog & Digital Signals		
2	24/08/21	1.30-2.30	Basic Elements of DSP, Sampling Theorem		
3	26/08/21	2.30-3.30	A/D & D/A Conversion		
4	27/08/21	11.00-12.00	Quantization - Nyquist Thm Numericals		
5	31/08/21	1.30-2.30	Discrete Time Systems Types		
6	02/09/21	2.30-3.30	Basic Operations on DST		
7	03/09/21	11.00-12.00	Folding, Add^n, Mul, Scaler Mul, Shifting		
8	06/09/21	1.30-2.30	Linear, Time-Invariant, Static, Causal		
9	20/09/21	01.30-2.30	Unit-II Convolution Def^n, Numericals		
10	21/09/21	01.30-2.30	Auto & Cross Convolution		
11	23/09/21	2.30-3.30	Numericals Graphical Method of Auto & Cross		
12	24/09/21	11.00-12.00	Convolution Examples & its Properties		
13	27/09/21	1.30-2.30	Difference Equation - Numericals		
14	28/09/21	1.30-2.30	Recursive & Non-Recursive DTS		
15	30/09/21	2.30-3.30	Step Response of LTI		
16	01/10/21	11.00-12.00	Revision, Difference Equation		
17	05/10/21	01.30-2.30	Unit-III Def^n of Z-transform		
18	07/10/21	02.30-3.30	Z-transform properties		
19	08/10/21	11.00-12.00	Rational Z-transform / LOC		
20	08/10/21	12.00-1.00	Inverse Z-transform		
21	08/10/21	1.30-2.30	Analysis of LTI Systems		
22	18/10/21	1.30-2.30	Steady-Response State		
23	18/10/21	2.30-3.30	Pole-Zero Cancellation / Numericals		
24	21/10/21	2.30-3.30	Schur-Cohn Stability Test		
25	22/10/21	11.00-12.00	Unit-IV Def^n Fourier Tran & its types		

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Department of Computer Science & Engineering
Prof. Ram Meghe Institute of Technology & Research, Badnera-Amravati

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	25/10/21	01.30-2.30	Fourier Transform : Numericals	[signature]	
27	26/10/21	01.30-2.30	IIR & FIR Filters & Design	[signature]	
28	28/10/21	2.30-3.30	Finite Duration Sequence	[signature]	
29	29/10/21	11.00-12.00	DFT. Radix 2 and Radix-4	[signature]	
30	29/10/21	12.00-1.00	Circular Conv. Radix-2 & 4 Num	[signature]	
31	08/11/21	1.30-2.30	Fast Algorithm, Properties	[signature]	
32	09/11/21	1.30-2.30	Numericals : Radix 2, 4 (FFT Algo)	[signature]	
33	09/11/21	2.30-3.30	Unit-V : Filter Design : Classification of Filter	[signature]	
34	11/11/21	11.00-12.00	LP, HP, BP - FIR & IIR Filters	[signature]	
35	22/11/21	1.30-2.30	Frequency Sampling Methods	[signature]	
36	23/11/21	1.30-2.30	Design of IIR Filter - Derivatives	[signature]	
37	26/11/21	2.30-3.30	Impulse / Direct Invariant Transformation	[signature]	
38	29/11/21	1.30-2.30	Matched Z- transformation	[signature]	
39	30/11/21	1.30-2.30	Examples : IIR Filter Design	[signature]	
40	03/12/21	11.00-12.00	Revision : Numericals	[signature]	
41	06/12/21	2.30-3.30	Unit VI : Realization of DT-System	[signature]	
42	07/12/21	1.30-2.30	Structure of DTS, Realization of FIR Sys	[signature]	
43	08/12/21	1.30-2.30	Direct Form Realization	[signature]	
44	08/12/21	2.30-3.30	Cascade Form Realization	[signature]	
45	09/12/21	2.30-3.30	Lattice Structures	[signature]	

[signature]

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Department of Computer Science & Engineering
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Prof. Ram Meghe Institute of Technology & Research, Badnera
Department of Information Technology
Execution Plan (Session 2021-22)

Name of Faculty: - Prof. A. A. Gulhane Year:- Second (Fourth sem) Section:-B

Subject Name: -Data Communication & Networkiong Subject Code:- (4IT02)

Sr. No.	Date	Topic Name	Sign of Faculty	Sign of HOD
		Unit I		
1	14/03/22	Types of Network; Network Topologies, Network Devices: Bridge, Switch, Router;		
2	15/03/22	OSI Vs TCP\IP Model		
3	22/3/22	Transmission Medium: Guided media, Unguided media;		
4	23/3/22	Time and Frequency Domain,		
5	25/3/22	Types of Signals: Analog, Digital, Composite, Periodic, Aperiodic Signal.		
		Unit II		
6	29/03/22	Data conversions: Digital-to-Digital, Analog-to-Digital		
7	05/04/22	Digital-to-Analog; Configuring DTE-DCE Interface		
8	06/04/22	Manchester and Differential Manchester encoding,Shannon Capacity; Multiplexing: FDM		
9	08/04/22	WDM, TDM;		
10	12/04/22	Multiplexing Application: Mobile Telephone System		
		Unit III		
11	19/04/22	Data Link Layer,Design Issues: Services to Network Layer		
12	21/04/22	Framing, Flow control,Error Control: Parity Bits		
13	22/04/22	Hamming Code, Cyclic Redundancy Check (CRC)		
14	29/04/22	Data Link Protocols: Synchronous,Asynchronous Protocols, CSMA/CD,		
15	4/05/22	WAN Connectivity Protocols: PPP and HDLC		
		Unit IV		
16	06/05/22	Addressing and Routing Switching Techniques,IPv4 Addressing Scheme,Subnetting		
17	07/05/22	IPv6 addressing Overview		
18	10/05/22	Evaluating Network Address by router		
19	11/05/22	Distance Vector, Link State		
20	12/05/22	Ethernet Networks: Token Ring, FDDI.		
		Unit V		
21	13/05/22	Networking and Services Transport Layer Services		
22	19/05/22	TCP Protocols, UDP Protocols,TCP Segment, TCP Connection		
23	18/05/22	Upper OSI Layers: Session Layer		
24	21/5/22	Presentation Layer		
25	22/5/22	Application Layer functions and services.		
		Unit VI		
26		Network Design and Applications		
27		Network Layout, Network Design Metrics, Network design traceability		
28		WWW, DNS,Voice over IP		
29		Introduction and Comparison of mobile network system		
30		applications: 2G, 3G, 4G.		

Faculty:- A. A. Gulhane

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Prof. Ram Meghe Institute of Technology & Research, Badnera
Department of Information Technology
Execution Plan: Session 2021-22

Course Name & Code: (Professional Elective-II) Big Data Analytics-6IT04
Name of Faculty: Prof. Avinash G. Mahalle
Year & Semester: Third Year (Semester-VI)

Sr. No.	Dates	Topics Covered	Sign of Faculty	Sign of HOD
01	26/02/22	Vision & Mission Statements, PEOs, POs & PSOs, CLOs & COs, Syllabus & Text Books		
		UNIT-1		
02	02/03/22	Basic concepts, Introduction to Big Data		
03	03/03/22	Big Data characteristics		
04	03/03/22	Types of Big Data		
05	05/03/22	Traditional vs Big data business approach		
06	05/03/22	Case study of Big data solutions		
		UNIT-2		
07	08/03/22	Introduction to Hadoop		
08	08/03/22	Hadoop Core Components		
09	09/03/22	HDFS Architecture		
10	10/03/22	MapReduce & YARN Architecture		
11	22/03/22	Hadoop Ecosystem: Overview of Apache Spark, Pig, Hive, HBase, Sqoop		
12	23/03/22	Introduction to NoSQL, NoSQL data architectural patterns: Key-value stores		
13	29/03/22	Graph stores, Column family stores, Document stores		
14	29/03/22	MongoDB		
		UNIT-3		
15	30/03/22	MapReduce: The Map Tasks, Grouping by key		
16	30/03/22	The Reduce tasks, combiners		
17	31/03/22	Details of MapReduce execution, coping with node failures		
18	05/04/22	Algorithms using MapReduce: matrix vector multiplication by MapReduce		
19	08/04/22	Matrix multiplication with MapReduce		

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Sr. No.	Dates	Topics Covered	Sign of Faculty	Sign of HOD
20	07/04/22	Relational-algebra operations, Computing selections & projections using MapReduce		
21	07/04/22	Union, Intersection and difference by MapReduce		
22	19/04/22	Computing Natural Join, Grouping and aggregation by MapReduce		
		UNIT-4		
23	20/04/22	Stream data model: A data stream management system		
24	21/04/22	Examples of stream sources, stream queries, issues in stream processing		
25	23/04/22	Sampling data in a stream Sampling Techniques. Filtering Streams: The Bloom Filter		
26	26/04/22	Counting Distinct Elements in a Stream: The Count-Distinct Problem		
27	26/04/22	The Flajolet-Martin Algorithm, Combining Estimates, Space Requirements		
28	27/04/22	Counting Ones in Window: Cost of Exact Counts		
29	27/04/22	The Datar-Gionis-Indyk Motwani Algorithm, Query Answering in the DGIM Algorithm		
		UNIT-5		
30	28/04/22	Frequent pattern mining: handling large datasets in main memory		
31	28/04/22	Basic Algorithm of Park, Chen, and Yu, The SON Algorithm and MapReduce		
32	28/04/22	Clustering Algorithms: CURE Algorithm. Canopy Clustering, Clustering with MapReduce		
33	04/05/22	Classification Algorithms: Parallel Decision trees		
34	04/05/22	Overview SVM classifiers, Parallel SVM		
35	04/05/22	KNN classifications for Big Data		
		UNIT-6		
36	05/05/22	Link Analysis: Page Rank definition, Structure of web, dead ends, Using Page rank in a search engine, Efficient computation of Page Rank		
37	05/05/22	PageRank Iteration Using MapReduce, Topic sensitive PageRank, Link Spam, Hubs & Authorities, HITS algo.		
38	07/05/22	Mining Social-Network Graphs: Social Networks as Graphs, Types, Clustering of Social Network Graphs		
39	07/05/22	Direct Discovery of Communities, counting triangles using Map-Reduce		
40	07/05/22	Content-based recommendation,Collaborative Filtering		

Subject Faculty : Prof. A. G. Mahalle

Dept. ... P.E

...chnology ... Amravati.

Prof. Ram Meghe Institute of Technology & Research, Badnera
Department of Information Technology

Course Number and Title: - Design and Analysis of Algorithms (6IT02)
Name of Faculty: - Dr. A. S. Alvi
Semester: -VI **Section: - A**

Execution Plan (Session 2021-22)

Sr. No	Date	Topic to be covered	Sign of Faculty	Sign of HOD
		Unit-1		
1	14.2.2022	Iterative Algorithm Design Issue		
2	15.2.2022	Introduction, Use of Loops		
3	16.2.2022	Efficiency of Algorithms		
4	22.2.22	Estimating & Specifying Execution Times		
5	23.2.22	Order Notations		
6	24.2.22	Algorithm Strategies		
7	28.2.22	Design using Recursion		
		Unit-2		
8	02.3.22	Divide And Conquer: Introduction		
9	03.3.22	Multiplication Algorithm and its analysis		
10	07.3.22	Multiplication Algorithm and its analysis		
11	08.3.22	Introduction to Triangulation		
12	09.3.22	Covex Hulls		
13	10.3.22	Covex Hulls cont.., Drawbacks of D & C		
14	21.3.22	Timing Analysis		
		Unit-3		
15	22.3.22	Greedy Methods: Introduction		
16	23.3.22	Knapsack Problem		
17	24.3.22	Job sequencing with deadlines		
18	28.3.22	Minimum Spanning Trees		
19	29.3.22	Prim's Algorithms		
20	30.3.22	Kruskal 's Algorithm		
21	31.3.22	Dijkstras Shortest Path Algorithm		
22 23	05 & 06.4.22	Examples on Dijkstra's, Prims and Kruskals		
		Unit-4		
24	07.4.22	Dynamic Programming: Introduction		
25	11.4.22	Multistage Graphs		

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26	12.4.22	Traveling Salesman		
27	13.4.22	Traveling Salesman		
28	18.4.22	Matrix multiplication		
29	19.4.22	Longest Common Sub-Sequences		
30	20.4.22	Optimal Polygon Triangulation		
31	21.4.22	Single Source Shortest Paths		
		Unit-5		
32 33	25 & 26.4.22	Introduction to Backtracking		
34	27.4.22	Combinational Search		
35	28.4.22	Search & Traversal		
36	02.5.22	Search & Traversal		
37	04.5.22	Backtracking Strategy		
38	05.5.22	Backtracking Framework		
		Typical State Spaces		
		Unit-6		
		Efficiency of Algorithm		
		Polynomial Time & Non Polynomial Time Algorithms		
		Worst and Average case Behavior		
		Time Analysis of Algorithm		
		Efficiency of Recursion, Complexity, Examples of Complexity		
		Calculation for Various Sorting algorithms		
		Time-Space Trade off and Time-Space Trade off in algorithm research		

Faculty: - Dr.A.S.Alvi

HOD Head
(Information Technology)

Dept. of Information Technology
P.R.M.I.T.& R. Badnera-Amravati.

Prof. Ram Meghe Institute of Technology & Research, Badnera
Department of Information Technology
(Session 2021-22)

Course Number and Title: - Cloud Computing (8IT04)
Name of Faculty: - Prof. A. W. Burange
Semester: - VIII

Execution Plan

Sr No.	Date	Topic to be covered	Sign of Faculty	Sign of HOD
		UNIT-I		
1	31/01/22	Introduction to cloud computing, Cloud Computing Defined		
2	01/02/22	SPI Framework for Cloud Computing		
3	02/02/22	Relevant Technologies in Cloud Computing		
4	03/02/22	The Cloud Services Delivery Model		
5	8/02/22	Cloud Deployment Models		
6	9/02/22	Key Drivers to Adopting the Cloud		
7	10/02/22	The Impact of Cloud Computing on Users		
8	14/02/22	Barriers to Cloud Computing Adoption in the Enterprise.		
9	15/02/22	Governance in the Cloud		
		UNIT-II		
10	16/02/22	The Network Level: Ensuring Data Confidentiality and Integrity		
11	17/02/22	Ensuring Proper Access Control		
12	21/02/22	The Host Level: SaaS and PaaS Host Security		
13	22/02/22	IaaS Host Security, Virtual Server Security		
14	23/02/22	The Application Level: SaaS Application Security, PaaS Application Security		
15	24/02/22	IaaS Application Security		
16	28/02/22	Data Security and Storage: Provider Data and Its Security		
17	02/03/22	Data Security and Storage: Provider Data and Its Security		
18	03/03/22	Symmetric & Asymmetric Encryption		
		UNIT III		
19	07/03/22	Introduction to Identity and Access Management		
20	08/03/22	Need of IAM, IAM challenge and definition		
21	09/03/22	IAM Architecture and Practice		
22	10/03/22	Introduction to Security Management in the Cloud		
23	11/03/22	Security Management in the Cloud, Availability Management		

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24	22/03/22	SaaS Availability Management		
25	23/03/22	PaaS, IaaS Availability Management		
26	24/03/22	Access control		
		UNIT-IV		
27	28/03/22	Privacy: Key Privacy Concerns in the Cloud		
28	29/03/22	Changes to Privacy Risk Management and Compliance in Relation to Cloud Computing		
29	30/03/22	Changes to Privacy Risk Management and Compliance in Relation to Cloud Computing		
30	31/03/22	Legal and Regulatory Implications		
31	01/04/22	International Laws and Regulations.		
		International Laws and Regulations.		
		UNIT-V		
32	05/04/22	Introduction to Audit and Compliance of cloud		
33	06/04/22	Internal Policy Compliance		
34	07/04/22	Governance, Risk and Compliance		
35	07/04/22	Illustrative Control Objectives for Cloud Computing		
	18/04/22	Incremental CSP-Specific Control Objectives		
		Additional Key Management Control Objectives		
36	19/04/22	Control Considerations for CSP Users		
		Regulatory/External Compliance		
		UNIT-VI		
37	20/4/22	The Impact of Cloud Computing on the Role of Corporate IT		
38	21/4/22	Why Cloud Computing Will Be Popular with Business Units		
39	25/4/22	Potential Threats of Using CSPs		
		A Case Study Illustrating Potential Changes in the IT Profession Caused by Cloud Computing		
40	26/4/22	A Case Study Illustrating Potential Changes in the IT Profession Caused by Cloud Computing		
41	27/4/22	Governance Factors to Consider When Using Cloud Computing.		
42	28/4/22	GCP Services demo		

(Subject Teacher)
A. W. Burange

Head
Deptt. of Information Technology
P.R.M.I.T.&R. Badnera-Amravati,

Prof. Ram Meghe Institute of Technology & Research, Badnera
Department of Information Technology
Execution Plan: Session 2020-21

Course Name & Code: Social Sciences & Engineering Economics [4IT05]
Name of Faculty: Prof. GHAZALA PARVEEN
Year & Semester: Second Year IV [A]

Sr. No.	Dates	Topics Covered	Sign of Faculty	Sign of HOD
	23 March 22	Vision & Mission Statements, PEOs, POs & PSOs, CLOs & COs, Syllabus & Text Books		
		UNIT-1		
1.	25 March 22	Basics of Social Science		
2.	25 March 22	Importance of study of social science to Engineer		
3.	28 March 22	Constitution of India		
4.	28 March 22	Salient features of Indian constitution		
5.	30 March 22	Fundamental Rights		
6.	30 March 22	Fundamental Duties		
7.	1 April, 4 April 22	Directive Principles of State Policy		
8.	9 April 22	Difference between Fundamental Rights & DPSP		
		UNIT-2		
1.	11 April 22	Indian Parliament & its composition		
2..	13 April 22	Powers of Indian Parliament		
3.	13 April 22	President of India		
4..	16 April 22	Powers of the President		
5.	16 April 22	Prime Minister: Powers & Functions		
6..	18 April 22	Council of Ministers		
7.	18 April 22	Difference between Cabinet & Council of Ministers		
		UNIT-3		
1.	20 April 22	Culture & its characteristics		
2.	20 April 22	Civilization & its characteristics		
3.	21 April, 23 April 22	Impact of science & technology on culture & civilization		
4.	25 April 22	Society & its characteristics		
5.	25 April 22	Community & its characteristics		
6.	25 April 22	Group & types of groups		
7.	25 April 22	Marriage: Functions, Types & Problems		

23.	25 April 22.	Family: Functions, Types & Problems		
Sr. No.		**Topics Covered**	**Sign of Faculty**	**Sign of HOD**
		UNIT-4		
1.	27th April 22	Meaning of Production		
2.	27 April 22	Factors of production [Land, Labour]		
3.	27 April 22	Factors of production [Capital, Organization]		
4.	28 April 22	Laws of Returns		
5.	28 April 22	Forms of Business Organization: Individual Enterprise		
6.	2 May 22	Partnership, Joint Stock Company		
7.	2 May 22	Comparison of Joint-stock Company & Partnership		
8.	2 May 22	Co-operative organization & Public Enterprise		
		UNIT-5		
1.	4th May 22	Banking & its types		
2.	4 May 22	Functions of Central Banks		
3.	6 May 22	Functions of Commercial Banks		
4.	6 May 22	Comparison between Central & Commercial Bank		
5.	6 May 22	Introduction to GST		
6.	9 May 22	Market Forms: Perfect Competition		
7.	11 May 22	Imperfect Competition: Monopoly		
		UNIT-6		
1.	13 May 22	Definitions of Economics		
2.	14 May 22	Nature and scope of Economics		
3.	16 May 22	Special significance of Economics to Engineers		
5.	18 May 22	Economics of Development		
6.	20 & 21 May 22	Characteristics of under development		
7.	23 & 25 May 22	Obstacles to Economic growth		
8.	27 & 28 May 22.	Vicious circle of poverty		

Prof. Ghazala Parveen

Subject Incharge 31/5/22

HOD/IT Head
Deptt. of Information Technology
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Prof. Ram Meghe Institute of Technology & Research, Badnera
Department of Information Technology
Execution Plan: Session 2021-22

Course Name & Code: 6IT05 OPEN ELECTIVE II (III) INTELLECTUAL PROPERTY RIGHT
Name of Faculty: Prof. Himanshu D. Kale
Year & Semester: Third Year (Semester-VI)

Sr. No.	Execution Dates	Topics to be covered	Faculty Sign	HOD Sign
		UNIT-1		
1	17/02/22	Overview of Intellectual Property Rights		
2	18/02/22	Discovery, Invention, Creativity, Innovation, History & Significance of Intellectual Property Rights (IPR)		
3	18/02/22	Overview of IPR - Patent		
4	24/02/22	Copyright, Trade Mark, Trade Secret, Geographical Indication		
5	25/02/22	Industrial Design & Integrated Circuit		
6	25/02/22	Non-patentable criteria		
		UNIT-2		
7	03/03/22	Patents: Patents- Patentability Criteria		
8	04/03/22	Types of Patents-Process, Product & Utility Models,		
9	04/03/22	Software Patenting and protection		
10	10/03/22	Overview of Patent Search-Types of Searching		
11	11/03/22	Public & Private Searching Databases		
12	11/03/22	Basics of Patent Filing & Drafting, Indian Patents Law		
		UNIT-3		
13	17/03/22	Copyrights: Nature of Copyright - Subject matter of copyright: original literary,		
14	24/03/22	dramatic, musical, artistic works; cinematograph, films and sound recordings		
15	25/03/22	Registration Procedure, Term of protection, Ownership of copyright,		
16	25/03/22	Copyright Assignment and licence of copyright		
17	31/03/22	Infringement, Remedies & Penalties		
18	01/04/22	Related Rights - Distinction between related rights and copyrights		
		UNIT-4		
19	01/04/22	Trademarks: Concept of Trademarks - Different kinds of marks (brand names, logos, signatures, symbols, well known marks, certification marks and service marks)		
20	07/04/22	Non Registrable Trademarks		
21	08/04/22	Registration of Trademarks		
22	08/04/22	Rights of holder and assignment and licensing of marks		

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23	21/04/22	Infringement, Remedies & Penalties
24	22/04/22	Trademarks registry and appellate board.
		UNIT-5
25	22/04/22	Design & Geographical Indication: Design: meaning
26	22/04/22	Concept of novel and original Procedure for registration,
27	28/04/22	Effect of registration and term of protection.
28	29/04/22	Geographical indication: meaning,
29	29/04/22	Difference between GI and trademark, Procedure for registration
30	29/04/22	Effect of registration and term of protection.
		UNIT-6
31	05/05/22	IPR: Current Contour
32	05/05/22	India's New National IP Policy
33	06/05/22	2016 – Govt. of India step towards promoting IPR
34	06/05/22	Govt. Schemes in IPR
35	06/05/22	Career Opportunities in IP
36	06/05/22	IPR in current scenario with case studies.

Subject Teacher: Prof. H.D.Kale

Head
Dept. of Information Technology
P.R.M.I.T. & R., Badnera-Amravati.
Dr. P. V. Ingole
HODIT

Prof. Ram Meghe Institute of Technology & Research, Badnera
Department of Information Technology
Execution Plan (Session 2021-22)

Course Number and Title: - Data Communication and Networking (4IT02)

Name of Faculty: - Prof. H. D. Misalkar
Semester: -IV **Section: - A**

Lecture NO.	Date	Topic to be covered	Sign of faculty	Sign of HOD
		UNIT- I		
1	14/3/22	Types of Network; Network Topologies	HDM	
2	15/3/22	OSI Vs TCP\IP Model	HDM	
3	16/3/22	Network Devices: Bridge, Switch, Router;	HDM	
4	17/3/22	Transmission Medium: Guided &Unguided media	HDM	
5	21/3/22	Time and Frequency Domain,	HDM	
6	22/3/22	Types of Signals: Analog, Digital, Composite,	HDM	
7	23/3/22	Periodic, Aperiodic Signal.	HDM	
		UNIT-II		
8	24/3/22	Data conversions: Digital-to-Digital	HDM	
9	28/3/22	Analog-to-Digital	HDM	
10	29/3/22	Digital-to-Analog; Configuring DTE-DCE Interface	HDM	
11	30/3/22	Manchester and Differential Manchester encoding	HDM	
12	31/3/22	Shannon Capacity; Multiplexing: FDM	HDM	
13	4/4/22	Multiplexing FDM, WDM and TDM;	HDM	
14	5/4/22	Application: Mobile Telephone System	HDM	
		UNIT III		
15	6/4/22	Data Link Layer Design Issues	HDM	
16	7/4/22	Framing, Flow control	HDM	
17	8/4/22	Error Control: Parity Bits	HDM	
18	11/4/22	Hamming Code, Cyclic Redundancy Check (CRC)	HDM	
19	12/4/22	Data Link Protocols: Synchronous	HDM	
20	18/4/22	Asynchronous Protocols, CSMA/CD,	HDM	
21	19/4/22	WAN Connectivity Protocols: PPP and HDLC	HDM	
		UNIT-IV		
22	20/4/22	Addressing and Routing Switching Techniques	HDM	
23	21/4/22	IPv4 Addressing Scheme	HDM	

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PRMIT&R Badnera, Amravati

24	22/4/22	IPv6 addressing Overview	HOD	
25	28/4/22	Subnetting Evaluating Network Address by router	HOD	
26	2/5/22	Distance Vector, Link State	HOD	
27	2/5/22	Ethernet Networks: Token Ring, FDDI.	HOD	
28	4/5/22	Addressing and Routing Switching Techniques	HOD	
		UNIT-V		
29	5/5/22	Networking and Services Transport Layer Services	HOD	
30	9/5/22	TCP Protocols	HOD	
31	10/5/22	UDP Protocols	HOD	
32	11/5/22	TCP Segment, TCP Connection	HOD	
33	12/5/22	Upper OSI Layers: Session Layer	HOD	
34	18/5/22	Presentation Layer	HOD	
35	19/5/22	Application Layer functions and services.	HOD	
		UNIT-VI		
36	19/5/22	Network Design and Applications	HOD	
37	20/5/22	Network Layout	HOD	
38	23/5/22	Network Design Metrics	HOD	
39	23/5/22	Network design traceability	HOD	
40		WWW, DNS		
41		Voice over IP		
42		Introduction and Comparison of mobile network		

Faculty:- Prof. Harshal D. Misalkar

HOD
(Information Technology)

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Department of Information Technology
P.R.M.I.T.& R. Badnera-Amravati.

Prof. Ram Meghe Institute of Technology & Research, Badnera
Department of Information Technology

Course Number and Title: - Design and Analysis of Algorithms (6IT02)
Name of Faculty: - Prof. M. S. Deshmukh
Semester: -VI **Section: -** B

Execution Plan (Session 2021-22)

Sr. No	Date	Topic to be covered	Sign of Faculty	Sign of HOD
		Unit-1		
1	14/2/22	Iterative Algorithm Design Issue		
2	15/2/22	Introduction, Use of Loops		
3	16/2/22	Efficiency of Algorithms		
4	17/2/22	Estimating & Specifying Execution Times		
5	21/2/22	Order Notations		
6	22/2/22	Algorithm Strategies		
7	23/2/22	Design using Recursion		
		Unit-2		
8	24/2/22	Divide And Conquer: Introduction		
9	2/3/22	Multiplication Algorithm and its analysis		
10	3/3/22	Multiplication Algorithm and its analysis		
11	7/3/22	Introduction to Triangulation		
12	8/3/22	Covex Hulls		
13	9/3/22	Covex Hulls cont.., Drawbacks of D & C		
14	21/3/22	Timing Analysis		
		Unit-3		
15	22/3/22	Greedy Methods: Introduction		
16	28/3/22	Knapsack Problem		
17	29/3/22	Job sequencing with deadlines		
18	30/3/22	Minimum Spanning Trees		
19	31/3/22	Prim's Algorithms		
20	4/4/22	Kruskal 's Algorithm		
21	5/4/22	Dijkstras Shortest Path Algorithm		
22	6/4/22	Examples on Dijkstra's, Prims and Kruskals		
		Unit-4		
23	11/4/22	Dynamic Programming: Introduction		
24	12/4/22	Multistage Graphs		

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25	18/4/22	Traveling Salesman		
26	19/4/22	Traveling Salesman		
27	20/4/22	Matrix multiplication		
28	21/4/22	Longest Common Sub-Sequences		
29	25/4/22	Optimal Polygon Triangulation		
30	26/4/22	Single Source Shortest Paths		
		Unit-5		
31	27/4/22	Introduction to Backtracking		
32	28/4/22	Combinational Search		
33	2/05/22	Search & Traversal		
34	4/05/22	Search & Traversal		
35	5/05/22	Backtracking Strategy		
36	6/05/22	Backtracking Framework		
		Typical State Spaces		
		Unit-6		
		Efficiency of Algorithm		
		Polynomial Time & Non Polynomial Time Algorithms		
		Worst and Average case Behavior		
		Time Analysis of Algorithm		
		Efficiency of Recursion, Complexity, Examples of Complexity		
		Calculation for Various Sorting algorithms		
		Time-Space Trade off and Time-Space Trade off in algorithm research		

Faculty: - Prof. M. S. Deshmukh

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Prof. Ram Meghe Institute of Technology & Research, Badnera
Department of Information Technology
(Session 2021-22)

Course Number and Title: - Artificial Intelligence (6IT03)
Name of Faculty: - Prof. N. S. Band
Semester :- VI **Section :-** B

Sr No.	Dates	Topic Name	Sign of Faculty	Sign of HOD
		Introduction to Course		
1	15/2/22	Vision Mission of Institution, Vision Mission of our Department ,Objective of subject, Grading scheme, Text Books and Ref Books, Syllabus and Course Learning Outcomes (CLO),Application and importance of the Subject, Graduate Attributes		
		Unit-1		
2	16/2/22	Introduction to Artificial Intelligence, The AI Problems.		
3	17/2/22	The Underlying Assumption.		
4	18/2/22	What is an AI Technique, Tic-Tac-Toe		
5	21/2/22	Problems, Problem Spaces and Search.		
6	22/2/22	Problem Characteristics		
7	23/2/22	Production Systems		
8	24/2/22	Production System Characteristics		
9	2/3/22	Issues in the Design of Search Programs		
		Unit-2		
10	3/3/22	Basic Problem Solving methods		
11	7/3/22	Reasoning		
12	8/3/22	Problem trees and graphs		
13	9/3/22	Knowledge Representation		
14	21/3/22	Uninformed Search Strategies		
15	22/3/22	Breadth First Search, Depth First Search		
16	23/3/22	Depth Limited Search		

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17	28/3/22	Iterative Deepening Depth First Search, Bidirectional Search.		
		Unit-3		
18	29/3/22	Informed Search Strategies		
19	30/3/22	Generate-and-Test		
20	4/4/22	Hill Climbing		
21	5/4/22	Best-first Search, A* Algorithm		
22	6/4/22	Problem Reduction, AND-OR Graphs.		
23	11/4/22	The AO* Algorithm,		
24	12/4/22	Constraint Satisfaction.		
25	18/4/22	Means ends Analysis		
		Unit-4		
26	19/4/22	Knowledge Representation Issues, Representations and Mappings.		
27	20/4/22	Approaches to Knowledge Representation.		
28	20/4/22	Issues in Knowledge Representation..		
29	20/4/22	Predicate Logic: Representing Simple Facts in Logic.		
30	20/4/22	Representing Instance and ISA Relationships, Computable Functions and Predicates,		
31	21/4/22	Resolution, Natural Deduction		
32	21/4/22	Representing Knowledge Using Rules, Procedural Versus Declarative Knowledge		
33	21/4/22	Logic Programming Forward Versus Backward Reasoning.		
		Unit-5		
34	23/4/22	Symbolic Reasoning Under Uncertainty, Introduction to Nonmonotonic Reasoning		
35	23/4/22	Logics for Nonmonotonic Reasoning.		
36	23/4/22	Semantic Nets		
37	25/4/22	Statistical Reasoning		

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38	25/4/22	Fuzzy logic: fuzzy set definition and types		
39	25/4/22	Membership Function		
40	26/4/22	Probability and Bayes' theorem, Bayesian Networks		
		Unit-6		
41	27/4/22	Understanding :What is Understanding		
42	2/5/22	Understanding as Constraint Satisfaction.		
43	2/5/22	Natural Language Processing, Syntactic Processing.		
44	4/5/22	Semantic Analysis, Discourse and Pragmatic Processing.		
45	5/5/22	Statistical Natural Language Processing.		
46	6/5/22	Spell Checking, Common Sense Qualitative Physics.		

Faculty: - Prof.N.S.Band

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Prof. Ram Meghe Institute of Technology & Research, Badnera
Department of Information Technology
Lesson Plan (Session 2021-22)

Course Number and Title: - Artificial Intelligence (6IT03)
Name of Faculty: - Prof. N. V. Kadam
Semester: - VI **Section:-** A

Execution Plan

Sr No.	Date	Topics Covered	Faculty Sign	HOD Sign
		Unit - 1		
1	14-02-22	Introduction to Artificial Intelligence		
2	18-02-22	The AI Problems, Underlying Assumption		
3	21-02-22	What is an AI Technique		
4	22-02-22	Tic-Tac-Toe		
5	23-02-22	Tic-Tac-Toe		
6	25-02-22	Water Jug Problems		
7	26-02-22	Problem Spaces, and Search		
8	28-02-22	Production Systems		
9	04-03-22	Problem Characteristics		
10	05-03-22	Production System Characteristics,		
11	07-03-21	Issues in the Design of Search Programs.		
		Unit - II		
12	08-03-22	Basic Problem Solving methods		
13	11-03-22	Reasoning		
14	12-03-22	Problem trees and graphs		
15	22-03-22	Knowledge Representation		
16	23-03-22	Uninformed Search Strategies: Breadth First Search, Depth First Search		
17	23-03-22	Depth Limited Search, Iterative Deepening Depth First Search		
18	28-03-22	Bidirectional Search.		
		Unit - III		
19	29-03-22	Informed Search Strategies		
20	30-03-22	Generate-and-Test		
21	04-04-22	Hill Climbing		
22	04-04-22	Best-first Search		
23	05-04-22	A* Algorithm, Problem Reduction		
24	6-04-22	Constraint Satisfaction		
25	6-04-22	Means ends Analysis		
		Unit - IV		
26	11-04-22	Knowledge Representation Issues: Representations and Mappings		
27	18-04-22	Representing Simple Facts in Logic		
28	19-04-22	Representing Instance and ISA Relationships		
29	19-04-22	Knowledge Using Rules Procedural Versus Declarative Knowledge		

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30	20-04-22	Logic Programming, Forward Versus Backward Reasoning.		
		Unit : V		
31	22-04-22	Symbolic Reasoning Under Uncertainty, Introduction to Non Monotonic Reasoning		
32	26-04-22	Fuzzy logic, Membership function.		
33	27-04-22	Probability and Bayes' theorem, Bayesian Networks.		
		Unit : VI		
34	2-05-22	Understanding as Constraint Satisfaction, Natural Language Processing		
35	04-04-22	Syntactic Processing, Semantic Analysis, Discourse and Pragmatic Processing, Statistical Natural Language Processing		

Faculty: - Prof. N. V. Kadam

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Prof. Ram Meghe Institute of Technology & Research, Badnera
Department of Information Technology
(Session 2020-21)

Course Number and Title: - Compiler Design (6IT01)
Name of Faculty: - Prof. P. P. Deshmukh
Semester :- VI **Section :-** B

Lecture No.	Dates	Topic Name	Faculty Sign	HOD Sign
		UNIT –I		
1	14/2/22	Discussion on Vision , Mission of College & department , CLO & CO of Subject , Introduction to subject and syllabus		
2	15/2/22	Introduction to Compiling: Definition of Compiler, Phases of a Compiler, Lexical Analysis,		
3	21/2/22	Phases of Compiler in detail and Grouping of phases		
4	21/2/22	Compiler Construction Tools, Compiler construction with example.		
5	22/2/22	Compiler construction with example		
6	26/2/22	The role of lexical analyzer, input buffering		
7	1/3/22	specification of tokens, recognition of tokens,language for specifying lexical analysis		
8	5/3/22	lex and yacc tools		
9	8/3/22	finite automata, from regular expressions to finite automata		
10	10/3/22	State minimization of DFA.		
		UNIT-II		
11	29/3/22	Syntax Analysis: The role of the parser, Review of context free grammar for syntax analysis.		
12	30/3/22	Top down parsing: recursive descent parsing, predictive parsers		
13	30/3/22	Transition diagrams for predictive parsers, Non recursive predictive parsing		
14	4/4/22	FIRST and FOLLOW, Construction of predictive parsing tables, LL (1) grammars		
15	4/4/22	FIRST and FOLLOW		
16	5/4/22	Construction of predictive parsing tables, LL (1) grammars		
17	6/4/22	Construction of predictive parsing tables, LL (1) grammars		
18	7/4/22	Non recursive predictive parsing, Error recovery in predictive parsing		
		UNIT-III		
19	11/4/22	Bottom up parsing: Handle pruning, Stack implementation of Shift Reduce Parsing,		
20	11/4/22	Conflicts during shift reduce parsing,		
21	12/4/22	LR parsers: LR parsing algorithm, Construction of SLR parsing table		

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DEPARTMENT OF INFORMATION TECHNOLOGY

Execution Plan

2021-22

Subject :- RTES Sem: 7th Sem

Name of Faculty - Abhishek A. Gulhane Section: A

Sr. No.	Date	Topics to be covered	Sign of Faculty	Sign of HOD
01	27-08-21	Discussion on Vision, Mission, CLO, PEO		
02	30-08-21	Introduction to Embedded Systems		
03	31-08-2021	Processor in the system, types of processors		
04	02-09-2021	H/W units required in the exemplary cases		
05	03-09-2021	S/W embedded into a system. Final machine implementable software for a product		
06	06-09-2021	S/W in processor specific assembly language & high level language		
07	20-09-2021	Device drivers, device management using an OS.		
08	21-09-2021	Software design for scheduling multiple tasks and devices using RTOS.		
09	23-09-2021	Embedded SoC and in VLSI circuits		
		UNIT-II		
10	24-09-2021	Structural units of the processor		
11	27-09-2021	Allocation of memory to program segment and blocks		
12	28-09-2021	Memory map of the system.		
13	30-09-2021	Memory Blocks for different data & Structures		
14	1-10-2021	Serial Communication using I2C Bus		
15	04-10-2021	Serial communication using CAN Bus		
16	05-10-2021	ISR, CAN Protocol		
17	07-10-2021	Device Drivers, Virtual Devices		
18	08-10-2021	Device Drivers for Parallel port, serial port & timing devices, Contexts switching, deadline & latency		

UNIT-I

Sr. No	Date	Topics to be Covered	sign of Faculty	Sign of HOD
		UNIT-III		
19	14-10-21	S/W programming in ALP&C, Progeam elements, uses of data Structure Queues, Stacks, Lists & Trees		
20	18-10-21	function Pointers, Function Queues & ISR Queues, Queuing of Functions on interupts & protocol for N/W.		
21	8-11-21	Uses of FIFO Queues & Stacks		
22	9-11-21	Lists & Ordered Lists		
23	22-11-21	Embedded Progeamming in C++ & Java		
		UNIT-IV		
24	23-11-21	Modelling process, use of dataflow & CDF graphs, use of FSM model		
25	26-11-21	Progeramming model for event controlled or time constraint, Real time progeams		
26	29-11-21	Finite states machine model - timer, C function.		
27	30-11-21	Petri Net model, modelling of multiprocessor Systems		
28	2-12-21	IPC and Synchronization, multiple processes in an application Process, Tasks, Threads, Sharing data by multiple tasks.		
		UNIT-V		
29	3-12-21	Uses of Semaphores for a tasks or for critical section of code, Mutex & P & V semaphores		
30	6-12-21	priority inversion problems & Deadlock situations, IPC issues, Mailboxes, Pipes, RPCs, Virtual sockets		

Prof. A. A. Gulhane

RTES

Sr. No	Date	Topics to be Covered	sign of Faculty	Sign of HOD
31	7-12-21	use of Mutex as resource key, use of message queues		
32	9-12-21	use of Signals, use of Semaphore flags. UNIT-III		
33	10-12-21	Introduction to RTOS		

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DEPARTMENT OF INFORMATION TECHNOLOGY

Execution Plan (Winter 2021)

Subject :- ANALOG & DIGITAL ELECTRONICS Sem: THIRD (2nd Year)

Name of Faculty - AVINASH G. MAHALLE Section: A

Sr. No.	Date	Topics to be covered	Sign of Faculty	Sign of HOD
01	14/9/21	Vision & Mission statements, PEOs, POs and PSOs, CLOs and COs, Syllabus		
02	15/9/21	Introduction to course; Semiconductor Basics		
03	16/9/21	PN Junction fabrication & Diode		
04	18/9/21	Construction & Working of Transistor as an Amplifier		
05	21/9/21	Faithful amplification of CE amplifier		
06	22/9/21	Transistor Biasing, Need of biasing		
07	23/9/21	Potential divider biasing circuit		
08	25/9/21	Transistor as an Electronic switch		
09	27/9/21	Field Effect Transistor, Difference bet^n BJT & FET		
10	29/9/21	Construction & Working of N-channel JFET		
11	30/9/21	UNIT II : Basics of Operational Amplifier		
12	04/10/21	Block diagram of Operational Amplifier		
13	07/10/21	Op-AMP Parameters		
14	09/10/21	Ideal & practical characteristics of op-amp IC741		
15	11/10/21	Concept of Virtual ground, Negative f/b amplifier		
16	13/10/21	Inverting Amplifier with solved example		
17	14/10/21	Non-inverting Amplifier with solved example		
18	16/10/21	Summing Amplifier		
19	18/10/21	Subtractor, Comparator		
20	20/10/21	UNIT III : Basics of Oscillators		
21	21/10/21	Barkhausen's Criterion, Types of oscillators		
22	28/10/21	RC Phase shift Oscillator		
23	25/10/21	Crystal oscillator : it's working & operation		
24	27/10/21	Block diagram of IC555		
25	28/10/21	Monostable Multivibrator using IC555		
26	30/10/21	Astable Multivibrator using IC555		
27	8/11/21	Numericals on Monostable & Astable MV		

Sr. No	Date	Topics to be Covered	sign of Faculty	Sign of HOD
28	20/11/21	UNIT IV : Introduction to Digital Circuits		
29	22/11/21	Logic Gates and Basics of Boolean Algebra		
30	24/11/21	Representation of Boolean Expression : Std. SOP form		
31	25/11/21	Standard POS form, Minterms & Maxterms		
32	27/11/21	Mapping of Two Variable K-map - SOP & POS		
33	29/11/21	Minimization of Two variable K-map - SOP & POS		
34	01/12/21	Mapping & Minimization of 3 variable K-map (SOP)		
35	02/12/21	Mapping & Minimization of 4 variable K-map		
36	04/12/21	Adder & subtractor circuits		
37	06/12/21	UNIT V : Difference b/w combinational & sequential Circuits		
38	08/12/21	BCD code, Excess (XS-3) code & Gray Code		
39	09/12/21	Code converters		
40	11/12/21	Multiplexer circuits (2:1 / 4:1 / 8:1 MUX)		
41	13/12/21	De-multiplexer circuits (1:2 / 1:4 / 1:8 DEMUX)		
42	15/12/21	Decoders (2 line to 4 line & 3 line to 8 line)		
43	16/12/21	Flip-flops, SR FF and D-FF		
44	18/12/21	JK flipflop, T-flipflop		
45	20/12/21	UNIT VI : Difference between synchronous and asynchronous sequential circuits, Asynchronous counter		
46	22/12/21	2 Bit Up Counter, 3-Bit Up Counter		
47	23/12/21	2 Bit down counter, 3-Bit Down Counter		
48	27/12/21	Mod-6 & MOD10 asynchronous counter		
49	29/12/21	Shift Registers, Types of shift Registers Serial In Serial Out (SISO) & SIPO		
50	30/12/21	Parallel In Serial Out; Parallel In Parallel Out		
51	01/01/22	Shift Register counters, Ring counter & twisted ring counter		
52	03/01/22	Revision on unit III & IV (CT-2 Syllabus)		

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Execution Plan

Subject : Discrete Structure & Graph Theory **Sem. :-** III

Name of Faculty - Dr. A. S. Alvi **Section:** A

Sr. No.	Date	Topics to be covered	Sign of Faculty	Sign of HOD
1	15.9.21	Statements & Notation : Basic concepts		
2	16.9.21	Connectives, Related examples		
3	17.9.21	Normal forms		
4	20.9.21	Equivalences, Ex.		
5	22.9.21	DNF with examples		
6	23.9.21	CNF with examples		
7	24.9.21	Inference Rules.		
8	27.9.21	The Theory of Inference for Stmt Calculus		
9	29.9.21	Predicate Calculus.		
10	30.9.21	The Theory of Predicate calculus.		
11	04.10.21	Basic concepts of Set Theory		
12	04.10.21	Representation of D.S		
13	07.10.21	Relation		
14	08.10.21	ordering of Set		
15	11.10.21	Functions Recursion		
16	13.10.21	Recursive function		
17	14.10.21	Set of Predicates		
18	18.10.21	Matrix examples		
19	20.10.21	Lattices & Partially order Sets.		
20	21.10.21	Boolean algebra		
21	22.10.21	Minterms & Maxterms.		
22	25.10.21	examples of B.A.		
23	26.10.21	K-map.		
24	29.10.21	Representation of Boolean fn		
25	08.11.21	Minimization of Boolean functions		
26	21.11.21	Minimization of Boolean fn cont...		
27	24.11.21	Algebraic System : Basic concepts		

Unit - I

II

IV

Sr. No	Date	Topics to be Covered	sign of Faculty	Sign of HOD
28	25.11.21	Composition Table		
29	26.11.21	Composition Table, F. Theorem		
30	29.11.21	Semigroup, Monoids		
31	01.12.21	Group, Subgroup, cosets		
32	02.12.21	Cosets examples		
33	03.12.21	Grammer		
34	06.12.21	Derivation Trees		
35	08.12.21	Graph Theory		
36	09.12.21	Graph Theory : Basic Concepts cont		
37	10.12.21	Degree of a node, Indeg, outdegg		
38	13.12.21	A Matrix Representation of Graph : Adj matrix		
39.	20.12.21	Examples on adj Matrix, Path.		
40.	22.12.21	Path Matrix, Rechability, Graph Colouring		
41	23.12.21	Tree : Basic concepts		
42	24.12.21	Tree Searching		
43	27.12.21	Types of trees & Conversion		
44	29.12.21	Storage Representation		
45	31.12.21	PERT		

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DEPARTMENT OF INFORMATION TECHNOLOGY

Execution Plan

Subject :- Software Engineering (SE) Sem: V

Name of Faculty - A.W. Burange Section: A

Sr. No.	Date	Topics to be covered	Sign of Faculty	Sign of HOD	
1.	17/8/21	Evolving role of Software	✱		
2.	18/8/21	Introduction to Software, Software Crises & myths	✱		
3.	19/8/21	Software Engineering introduction	✱		
4.	23/8/21	Software process in detail	✱		
5.	24/8/21	Linear Sequential & Prescriptive model	✱		Unit I
6.	25/8/21	Incremental model & RAD Model	✱		
7.	26/8/21	Spiral model & Waterfall model	✱		
8.	30/8/21	Prototyping and Evolutionary Process	✱		
9.	1/9/21	Project Management concepts introduction	✱		
10.	2/9/21	People, Product, Process, Project	✱		
11.	8/9/21	Component Based Development model	✱		
12.	9/9/21	Common-Sense Approach, Project	✱		
13.	14/9/21	W5HH principal, Team coordination	✱		
14.	16/9/21	Critical practice & Revision	✱	✱	
15.	27/9/21	Measures, Metrics & Indicators	✱		
16.	28/9/21	Importance of Metrics	✱		
17.	29/9/21	Metrics in process & project	✱		
18.	30/9/21	Metrics for Software quality	✱		Unit II
19.	4/10/21	Software risks identification	✱		
20.	5/10/21	Risk projection & Refinement	✱		
21.	7/10/21	RMMM plan, Software project planning	✱		
22.	14/10/21	Software project Estimation	✱		
23.	18/10/21	Decomposition Technique & Estimation models	✱	✱	
24.	20/10/21	Project Scheduling & tracking	✱		
25.	21/10/21	People, Effort, Task set & Task network	✱		

Sr. No	Date	Topics to be Covered	sign of Faculty	Sign of HOD
26.	25/10/21	Software Project planning, Scope	✓	
27.	26/10/21	Resources, estimation & decomposition technique & tools. SQ Assurance	✓	
28.	27/10/21	Measures, Metrics & Indicators Metrics in process & project	✓	
29.	28/10/21	Software quality Concepts, technical reviews & Software reliability	✓	✓
30	8/11/21	System Engineering introduction	✓	
31	9/11/21	Requirements Engineering & its tasks	✓	
32	10/11/21	Software prototyping & its phases	✓	
33.	11/11/21	Business process & product Engineering with hierarchy	✓	
34.	22/11/21	Design principles & Concepts	✓	
35.	23/11/21	Design Concepts (9 Concepts)	✓	
36.	24/11/21	Effective modular design & Design model & documentation	✓	✓
37.	25/11/21	Software architecture introduction	✓	
38.	29/11/21	User interface design, golden rule	✓	
39.	30/11/21	golden Rules, design principles	✓	
40.	1/12/21	Data design & tools	✓	
41.	2/12/21	Transform & Transcation flow, Component level design, Str. Programming	✓	
42.	6/12/21	Software testing introduction White box & Black box testing	✓	✓
43.	7/12/21	Strategic approach to S/W testing	✓	
44.	8/12/21	Unit, integration, Validation testing	✓	
45.	9/12/21	System testing, Debugging & Debugging Strategies	✓	

Unit III

Unit IV

Unit V

Unit VI

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DEPARTMENT OF INFORMATION TECHNOLOGY

Execution Plan

Subject :- Distributed Database Management Systems **Sem:** VII

Name of Faculty - Prof. G.K. Wadnere **Section:** A & B

Sr. No.	Date	Topics to be covered	Sign of Faculty	Sign of HOD
1	27/8/21	Vision, Mission of Institute & Dept.		
		Introduction to Distributed DBMS	@wadnere	
2.	30/8/21	What is DDB Processing		
		Traditional file Processing Vs DDBS	@wadnere	
3.	31/8/21	Promises of DDBs, Problem areas	@wadnere	
4.	01/09/21	Overview of Relational DBMS	@wadnere	
5.	3/9/21	Normalization, Integrity Rules.	@wadnere	
6.	6/9/21	Review of Computer Networks	@wadnere	
7.	20/9/21	Data Communication Concepts	@wadnere	
8.	21/9/21	Types of Network, Protocol Standard	@wadnere	
9.	22/9/21	Introduction to Distributed DBMS	@wadnere	
		Architecture		
10.	24/9/21	DBMS Standardization, Architectural	@wadnere	
		Models.		
11.	27/9/21	Distributed DBMS Architecture	@wadnere	
12.	28/9/21	Distributed Database Design:	@wadnere	
		Alternative design Strategies.		
13.	29/9/21	Distributed design issues	@wadnere	
14.	1/10/21	Fragmentation : Horizontal &		
		Vertical, Hybrid	@wadnere	
15.	4/10/21	Allocation Semantic Data Control	@wadnere	
16.	5/10/21	View Management, Data Security	@wadnere	
17.		Semantic Integrity control		
17.	8/10/21	Introduction to Query Processing	@wadnere	
18.	18/10/21	Objectives of Query Processing		
		& Types of Optimization	@wadnere	

Unit I

UNIT 2

UNIT 3

Sr. No	Date	Topics to be Covered	sign of Faculty	Sign of HOD
19	18/10/21	Characteristics of Query Processing		
20.	20/10/21	Exploitation of Network Topology,		
		Exploitation of Replicated fragments		
		& Semijoins		
21	22/10/21	Layers of Query Processing		

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DEPARTMENT OF INFORMATION TECHNOLOGY

Execution Plan

Subject :- 5IT05 Cyber Law & Ethics (OE) Sem: V

Name of Faculty - Prof. H.O. Kale Section: III Yr (All Brns)

Sr. No.	Date	Topics to be covered	Sign of Faculty	Sign of HOD
1.	04/09/21	Evolution of computer technology	HK	
2.	04/09/21	Emergence of cyber space	HK	
3.	11/09/21	Cyber Jurisprudence & law	HK	
4.	11/09/21	Jurisprudence Law (doctrinal approach)	HK	
5.	17/09/21	Consensual approach, Real approach	HK	
6.	18/09/21	Cyber Ethics, Cyber Jurisdiction	HK	
7.	18/09/21	Hierarchy of courts (Civil & criminal)	HK	
8.	24/09/21	Cyberspace & Webspace (Hosting/dev)	HK	
9.	25/09/21	Domain names, Internet as a tool for global access.	HK	HK
10.	25/09/21	Unit II - Overview of IT Act, Amendments & limitations	HK	
11	01/10/21	Digital Signature, Cyptography	HK	
12	03/10/21	Cyptographic Algorithm, Public / Private Cyptography	HK	
13	09/10/21	Electronic Governance, Legal recognition of electronic records	HK	
14	09/10/21	Legal recognition of digital signature, Certifying authorities	HK	
15	16/10/21	Cyber Crime and Offences, NAS (Network Service Providers Liability)	HK	
16	16/10/21	Cyber regulations Appellate Tribunal, Penalties & Adjudication	HK	
17	22/10/21	Patent law, Trademark law, Copyright	HK	HK
18	23/10/21	Software - Copyright or Patented	HK	

Unit I

Unit II

Unit III

Sr. No	Date	Topics to be Covered	sign of Faculty	Sign of HOD
		IT Act and civil Domain name		
19	23/10/21	Copyright disputes,		
		Electronic Database & its		
		protection. IT Act & civil		
20	29/10/21	IT Act and criminal procedural		
		code. Relevant sections of		
		Indian Evidence Act		
21	30/10/21	Relevant section of Bankers		
		Book Evidence Act, Relevant		
		section of IPC.		
22	30/10/21	Relevant section of Reserve		
		Bank of Indian Act		
23	12/11/21	Law relating to employees &		
		internet, Alternative Dispute		
		resolution		
24	13/11/21	Online Dispute Resolution (ODR)		
25	13/11/21	Evolution and development		
		in E-commerce, Paper Vs		
		paper less contracts.		
26	20/11/21	E-commerce models, B2B,		
		B2C,		
27	27/11/21	E security, Business, taxation		
28	27/11/21	Electronic payments, supply		
		chain, EDI, E-markets.		
29	4/12/21	Emerging trends /		
		Importance of cyber law		
30	10/12/21	Significance of cyber law /		
		ethics		
31	10/12/21	Need for cyber regulations		
		& ethics / Electronic information		
		society		

Unit III

Unit IV

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DEPARTMENT OF INFORMATION TECHNOLOGY

Execution Plan

Subject :- Artificial Intelligence & Expert System **Sem:** VII

Name of Faculty - Nikhil S. Band **Section:** A&B

Sr. No.	Date	Topics to be covered	Sign of Faculty	Sign of HOD
1.	27/8/22	Vision, Mission, PEOs, PSOs & Syllabus CLO & COs		
2.	30/8/22	Introduction to Artificial Intelligence		
3.	31/8/22	The AI Problem		
4.	3/9/22	The Underlying Assumption		
5.	3/9/22	What is AI Technique		
6.	6/9/22	Problem, Problem Space		
7.	20/9/22	Mundane Tasks, Expert Task		
8.	21/9/22	Production System		
9.	22/9/22	Control Strategies		
10.	26/9/22	Heuristic Search		
11.	27/9/22	Problem Characteristics		
12.	28/9/22	Issue in the design of Search Programs		
13	29/9/22	Heuristic Search Techniques, Generate & Test		
14.	1/10/22	Hill Climbing Algo, AO* Algo.		
15.	4/10/22	Best 1st Search A* Algo.		
16.	5/10/22	Problem Reduction, AND-OR Graphs		
17.	8/10/22	Constraint Satisfaction, Means End Analysis		
18.	18/10/22	Knowledge Representation issue, Representation & Mapping		
19.	20/10/22	Approaches to Knowledge Representation		
20.	22/10/22	Issues in Knowledge Representation, The Frame Prob		
21.	25/10/22	Predicate logic: Representing Simple facts in logic		
22.	26/10/22	Representing Instance & ISA Relationships, Computable Function & Predicates		
23.	27/10/22	Resolution, Natural Deduction		
24.	29/10/22	Representing Knowledge Using Rules, Procedural Versus Declarative Knowledge		
25.	03/11/22	Logic Programming Forward Versus Backward Reasoning, Matching, Control Knowledge.		
26.	04/11/22	Symbolic Reasoning Under Uncertainty, Introduction to Nonmonotonic Reasoning		
27.	10/11/22	Logic for Nonmonotonic Reasoning, Implementation Issues Augmenting a Problem-Solver.		

I

II

III

IV

Sr. No	Date	Topics to be Covered	sign of Faculty	Sign of HOD
28.	22/11/21	Implementation: Depth-First Search, Breadth First Search		
29.	23/11/21	Statistical Reasoning Probability & Bayes Theorem Certainty Factors		
30.	24/11/21	Rule-based System Bayesian Network, Semantic Net. Frames		
31.	26/11/21	Understanding: What is Understanding		
32.	29/11/21	Understanding as Constraint Satisfaction Natural language Processing		
33.	30/11/21	Syntactic Processing, Semantic Analysis, Discourse		
34.	1/12/21	Pragmatic Processing, Statistical Natural language Processing		
35.	3/12/21	Spell Checking, Common Sense Qualitative Physics Common Sense Ontologies		
36.	6/12/21	Expert Systems Representing & Using Domain knowledge Expert System Shell		
37.	7/12/21	Knowledge Acquisition, Fuzzy logic System Introduction Crisp Set Fuzzy Set		
38.	8/12/21	Some Fuzzy Terminology Fuzzy logic Control Genetic Algo. Significance		
39.	10/12/21	Termination Parameters Evolving Neural Network		

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DEPARTMENT OF INFORMATION TECHNOLOGY

Execution Plan

Subject :- Theory of Computation Sem:- IV th

Name of Faculty - Niketa Kadam Section: B

	Sr. No.	Date	Topics to be covered	Sign of Faculty	Sign of HOD
Unit: I	1	18-8-21	Alphabet, Vidan-Mechan, CO.		
	2	20.8.21	Language, operations		
	3	23.8.21	Finite State Machine, model		
	4	24.8.21	FA Problems		
	5	25.8.21	FA Problems		
	6	27.8.21	NFA Problems		
	7	31.8.21	Equivalence between NFA - DFA		
	8	1-9.21	Conversion of NFA - DFA		
	9	2.9.21	Minimization of FSM		
	10	4.9.21	Minimization of FSM		
	11	7.9.21	Moore Machines		
	12	8.9.21	Mealy Machines		
	13	9.9.21	Conversion of Moore - Mealy		
	14	14.9.21	Conversion of Mealy - Moore.		
Unit: II	15	15.9.21	Regular sets, Expression, Rules.		
	16	17.9.21	Problems.		
	17	20.9.21	Conversion of RE to FA		
	18	21.9.21	Equivalence between RE & FA		
	19	22.9.21	Inter Conversion, Pumping Lemma		
	20	24.9.21	Pumping Lemma problems		
	21	27.9.21	Closer properties		
	22	28.9.21	Regular Grammar, RLG. LLG.		
	23	29.9.21	Problems on RLG & LLG.		
	24	01.10.21	Equivalence between RLG & FA		
	25	4.10.21	Problems on equivalence		
	26	5.10.21	Interconversion between RE & RG		
	27	6.10.21	Problems on Interconversion		

	Sr. No	Date	Topics to be Covered	sign of Faculty	Sign of HOD
Unit: 3	28	8.10.21	Content free Gramer Introduction		
	29	11.10.21	Derivation tree Problems		
	30	12.10.21	Continued with derivation tree		
	31	13.10.21	CNF Problems		
	32	15.10.21	GNF Problems		
	33	18.10.21	PDA problems		
	34	19.10.21	PDA Problems		
	35	20.10.21	Content Free Language		
	36	22.10.21	Equivalence of CFL & PDA		
	37	25.10.21	Interconversion		
	38	26.10.21	Enumeration properties of CFL		
Unit: 4	39	27.10.21	Turing Machine Model		
	40	29.10.21	Design of TM Problems		
	41	8.11.21	TM Problems		
	42	9.11.21	TM Problems		
	43	10.11.21	Computation Functions		
	44	12.11.21	Recursive Enumerable Langu		
	45	15.11.21	Church's Hypothesis		
	46	16.11.21	Counter Machine, Types of TM		
Unit: 5	47	17.11.21	Chomsky Hierarchy of Language		
	48	19.11.21	Linear Bounded Automata		
	49	22.11.21	Context Sensitive Language		
	50	23.11.21	Introduction of DCFL & DPDA		
	51	24.11.21	LR(0) Introduction, Problem		
	52	26.11.21	Problems on LR(0)		
	53	29.11.21	Gramer problems		
Unit: 6	54	30.11.21	Properties of Recursive Language		
	55	1.12.21	Universal Turing Machine		
	56	3.12.21	Post Correspondance problems		
	57	6.12.21	Post Correspondance problems		
	58	7.12.21	Revision 1, 2 unit		
	59	8.12.21	Revision 3,4 unit		
	60	10.12.21	Revision 5,6 unit		

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DEPARTMENT OF INFORMATION TECHNOLOGY

Execution Plan

Subject :- Theory of Computation Sem: V

Name of Faculty - Niketa Kadam Section: A

Sr. No.	Date	Topics to be covered	Sign of Faculty	Sign of HOD
1	17.8.21	~~Abs~~ Vision mission, PEO, CO.		
2	18.8.21	Alphabets. Language. operations		
3	21.8.21	Finite State machine. model		
4	24.8.21	FA Problems		
5	25.8.21	FA Problems		
6	26.8.21	NFA Problems		
7	28.8.21	Equivalence between NFA- DFA		
8	31.8.21	Conversion of NFA- DFA		
9	01-9.21	Minimization of FSM		
10	2-9.21	Minimization of FSM		
11	4-9.21	Moore Machines		
12	7-9.21	Mealy Machines		
13	8-9-21	Conversion of Moore- Mealy		
14	9-9-21	Conversion of Mealy - Moore		
Unit: II 15	11-9-21	Regular sets, Expressions, rules		
16	14-9-21	problems.		
17	15-9.21	Conversion of ~~FA~~ RE to FA		
18	16-9.21	Equivalence of RE & FA		
19	18-9.21	Inter Conversion, Pumping lemma		
20	21-9.21	Pumping Lemma Problems		
21	22.9.21	Closer properties		
22	23-9.21	Regular Grammar, RLG, LLG.		
23	25-9.21	Problems on RLG & LLG.		
24	28-9.21	Equivalence between RLG & FA		
25.	29-9.21	Problems on equivalence.		
26	01.10.21	Interconversion between RE & RG		
27	5-10-21	Problems on interconversion		

Sr. No	Date	Topics to be Covered	sign of Faculty	Sign of HOD
28	04.10.21	Context free Grammer Introduction		
29	06.10.21	Derivation Tree Problems		
30	07.10.21	Continued with derivation tree		
31	09.10.21	CNF Problems		
32	12.10.21	GNF Problems		
33	13.10.21	PDA Problems		
34	14.10.21	PDA Problems		
35	16.10.21	Context Free Language		
36	18.10.21	Equivalence of CFL & PDA		
37	20.10.21	Interconversion		
Unit 4 38	21.10.21	Enumeration properties of CFL		
39	23.10.21	Turing Machine Model		
40	26.10.21	Design of TM problems		
41	27.10.21	Continued with problems		
42	28.10.21	Continued with problems		
43	30.10.21	Compution functions		
44	09.11.21	Recursive Enumerable Language		
45	10.11.21	Ackermen's function problems		
46	11.11.21	Church's Hypothesis		
Unit 5 47	13.11.21	Counter Machine, Types of TM		
48	16.11.21	Chomsky Hierarchy of Language		
49	17.11.21	Linear Bounded Automata		
50	18.11.21	Context Sensitive Language		
51	20.11.21	Introduction of DCFL & DPDA		
52	22.11.21	LR(0) Introduction, Problems		
53	23.11.21	Problems on LR(0)		
Unit 6 54	24.11.21	Grammer Problems		
55	27.11.21	Properties of Recursive language		
56	30.11.21	Universal Turing Machine		
57	1.12.21	Post Correspondance Problems		
58	2.12.21	Post Correspondance Problems		
59	4.12.21			

Sr. No	Date	Topics to be Covered	sign of Faculty	Sign of HOD
60	7.12.21	Introduction to Recursive function		
61	8.12.21	Revision 1, 2 units		
62	9.12.21	Revision 3, 4 Units		
63	11.12.21	Revision 5, 6 Units		

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DEPARTMENT OF INFORMATION TECHNOLOGY

Execution Plan

Subject :- Object Oriented Programming 3IT03 **Sem:** III

Name of Faculty - Dr. Pranjali P. Deshmukh **Section:** B

Sr. No.	Date	Topics to be covered	Sign of Faculty	Sign of HOD
1	14.9.21	Vision, mission of Institute, Department,	BSkw	
		PEOs & PO, PSO explanation & dessimination		
2	15.9.21	CLO and CO of subject- explanation & discussion	BSkw	
3	17.9.21	Introduction to OOP. Need of OOP	BSkw	
4	18.9.21	Principles of OOPs. Procedural Language	BSkw	
		Vs. Object oriented programming		
5	21.9.21	Application of OOPs, Introduction to	BSkw	
		Java Programming language		
6	22.9.21	Java features, Java Virtual m/c	BSkw	
7	24.9.21	Java program Structure	BSkw	
8	25.9.21	first Java Program explanation	BSkw	
9	28.9.21	Java control construct Variables,	BSkw	
		primitive data types		
10	29.9.21	Data types explanations and Java	BSkw	
1		operators		
11	30.9.21	Java operators and If statement	BSkw	
		if-else, if-else-if, Nested if		
12	7.10.21	switch-case and for loop, for-each	BSkw	
		loop, nested for loop in java		
13	8.10.21			
14	11.10.21	Unit - II		
		class, object, creating a object-	BSkw	
		of class		
15	12.10.21	assigning values to object-	BSkw	
		through reference and method		
16	13.10.21	constructor, introduction, default		

Teaching Plan

Subject Code: _____ Subject Name: NES (PE)

Lecture	Topic	Unit
1.	Global and Indian energy scenario	1
2.	Need of Renewable energy, need of Renewable and non renewable energy sources, energy and environment	1
3.	Solar constant	1
4.	Definitions of basic earth-sun angles	1
5.	Types of Solar radiation	1
6.	Measurement of solar radiation using Pyrheliometer, Pyranometer and Sunshine Recorder	1
7.	Estimation of solar radiation intensity	1
8.	Low temperature applications: solar water heating, space heating, drying	2
9.	High temperature applications, dish and parabolic collectors. Central tower solar thermal power plants	2
10.	Solar energy storage and utilization: Methods of storage- mechanical, thermal, electrical storage systems	2
11.	Basic principle of power generation in a PV cell	2
12.	Types of photovoltaic cell	2
13.	Application of PV	2
14.	Brief outline of solar PV stand-alone system	2
15.	Storage battery and Balance of system	2
16.	Wind Energy Systems: Potential of wind electricity generation in India and current scenario	3
17.	Wind pattern and wind speed data	3
18.	Types of turbines Coefficient of Power, Betz limit	3
19.	Wind electric generators, Power curve	3
20.	Wind characteristics and site selection	3
21.	Windfarms for bulk power supply to grid	3
22.	Application for pumping	3
23.	Biomass: Sources and Characteristics	4
24.	Wet biogas plant Biomass gasifiers	4
25.	Classification and Operating characteristics	4
26.	Updraft and Downdraft gasifier	4
27.	Gasifier based electricity generating systems	4
28.	Biogas-Types of bio gas plants, factors affecting production rates	4
29.	Introduction to biodiesel and ethanol as alternative fuels	4
30.	Energy from tides, basic principle of tidal power	5
31.	Single basin and double basin tidal power plants, advantages, limitation and scope of tidal energy	5
32.	Ocean Thermal Electric Conversion (OTEC) systems like open cycle,	5

38.	Types of fuel cells, conversion efficiency of fuel cell, application of fuel cells.	6
37.	Hydrogen as alternative fuel, Production methods, Hydrogen storage	6
38.	Hot Dry Rock system	6
39.	Vapor dominated, liquid dominated	6
40.	Flash steam	6
41.	Binary fluid	6
42.	Total flow concept of power generation	6

Name of Subject Teacher

46		oil filters system- by pass system, full flow system	
47		oil breather, crankcase ventilation, Engine lubrication troubles and remedies	

R.S. Sakunde

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Teaching Plan

Subject Code- 4ME05 Teacher- Dr A D Shirbhate Subject Name- H&NS

Lecture	Topic	Unit
1.	Review of Fluid Mechanics	I
2.	Hydraulic Turbines- Introduction, S-hematic, Classification of	
3.	Heads & losses in turbine, Introduction to Pelton Wheel Turbine	
4.	Schematic of Pelton wheel, efficiencies, Velocity triangle diagram	
5.	Numerical on pelton wheel	
6.	Numerical on pelton wheel	
7.	Reaction Turbine, Working of Francis Turbine, Draft tube	
8.	Working of Kaplan Turbine	
9.	Numerical on Francis & Kaplan turbine	
10.	Specific speed & characteristic curves	
11.	Pump & its classification	II
12.	Centrifugal Pump working principle	
13.	Heads & efficiencies of CP	
14.	Velocity triangle diagram	
15.	Numerical on CP	
16.	Numerical on CP	
17.	multistage, NPSH and cavitations in pumps	
18.	Axial flow pump: - Basic theory, construction, & operation	III
19.	(a) Air lift pump. (b) Jet Pump. (c) Hydraulic Ram.	
20.	Computational Fluid Dynamics (CFD)	
21.	Computational Fluid Dynamics (CFD)	
22.	Reciprocating pump theory, Slip, Indicator diagram,	IV
23.	Effect of acceleration,	
24.	air vessels, performance characteristics	
25.	Comparison of centrifugal and reciprocating pumps,	
26.	Compressible fluid flow: - introduction	V
27.	Perfect gas relationship	
28.	speed of sound wave, mach number,	
29.	Isothermal and isotropic flows	
30.	shock waves.	
31.	Hydraulic accumulator	VI
32.	Hydraulic intensifier, Hydraulic Press	
33.	hydraulic crane, hydraulic lift	
34.	hydraulic coupling, hydraulic torque converter.	

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Teaching Plan

Subject Code: 4ME05 Prof. A.S. Deshmukh Subject Name: H & NS

Lecture	Topic	Date	Unit
1	Review of fluid mechanics		I
2	Hydraulic turbine - Intⁿ, classification		I
3	Head & losses in turbine, Int to pelton turb		I
4	efficiencies, vel. triangle dia. of pelton		I
5	Numerical on pelton wheel		I
6	Numerical on pelton wheel		I
7	React. turbine, working of Francis, Draft tube		I
8	working of kaplan turbine		I
9	Numericals on francis & kaplan turbine		I
10	specific speed & characteristic curves.		I
11	Pump & its classification		II
12	centrifugal pump working principle		II
13	Head & efficiencies of CP		II
14	Vel triangle diagram		II
15	Numericals on C.P		II
16	Numericals on C.P		II
17	multistage, NPSH & cavitation in pumps.		II
18	Axial flow - Basic theory, construction & operation		III
19	Air lift, jet pump, hydraulic ram		III
20	CFD		III
21	CFD		III
22	Reciprocating pump theory, slip, indicator diagram		IV
23	effect of acceleration		IV
24	Air vessels, performance characteristics		IV
25	comparison of centrifugal & reciprocating pump		IV
26	compressible fluid flow - introduction		V
27	perfect gas relationship		V
28	speed of sound wave, mach numb.		V
29	isothermal & isotropic flows		V
30	shock waves		V
31	Hydraulic accumulator		VI
32	Hydraulic intensifier, hydraulic press		VI
33	Hydraulic crane, hydraulic lift		VI
34.	Hydraulic coupling, torque converter		VI

Name of Subject Teacher

(A.S. Deshmukh)

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Teaching Plan

Subject Code: 4ME03 Subject Name: Manufacturing Technology (4MEO3)

Lecture	Topic	Date	Unit
1	Introduction to Machining Process & Metal cutting		I
2	Mechanics of Metal cutting		I
3	Tool materials, Tool geometry, Classification		I
4	Tool life, Tool wear, Calculations of cutting force.		I
5	Heat generation zones, Machinability, cutting fluids		I
6	Types of chips, chip thickness ratio.		I
7	Merchants circle & its diagram.		I
8	Construction, parts & Operations on Lathe		II
9	Accessories of center lathe		II
10	Introduction to Capstan & Turret lathe		II
11	Indexing, Bar feeding Mechanism.		II
12	Difference between Capstan turret & Centre Lathe		II
13	Machine tool Classification, Numerical approach		II
14	Taper turning, Screw cutting operation lathe		II
15	Different other operations on Lathe		II
16	Concept of CNC, working principle, CNC turning		II
17	Introduction to drilling & Drilling operations.		III
18	Drilling m/cs types, General purpose m/c		III
19	Mass prodn & special purpose drilling m/cs		III
20	Introduction & Types of Boring m/cs		III
21	Jig Boring & its applications		III
22	Introduction to Broaching & Its types		III
23	Milling & milling operations		IV
24	Calculations for m/c time for milling		IV
25	Types of milling m/cs & milling cutters		IV
26	Dividing head, Compound & differential Indexing		IV
27	Gear production & Gear producing m/cs		IV
28	Grinding & Grinding m/cs.		V
29	Bench grinder, surface Grinder		V
30	Cylindrical & Centreless grinders		V
31	Grinding wheels, Bond & Abrasive modifications		V
32	Study of various parts of Shaper & planer		V
33	Introduction to Unconventional m/cing		VI

Subject Code: AME603

Subject Name: Manufacturing Technology

Lecture	Topic	Date	Unit
34	Mechanical processes like USM, AJM etc		VI
35	Thermal processes like EBM, LBM, PAM concepts & applications		VI
36	EDM, types of die sinking, wire cut EDM,		VI
36	Parameters, advantages & applications		VI.

Lecture No.	Unit	Topic Covered	Remark
1	I	Classification of automobiles	
2		chasis types, Power Unit Functions	
3		locations power for propulsion, engine mounting	
4		engine parts- types, construction and functions	
5		Multiple cylinder engines,	
6		General considerations of engine balancing	
7		firing order	
8	II	Fuel feed systems - fuel feed systems for petrol engines	
9		Fuel pumps, fuel filters, Air filters	
10		Basic principles of MPFI and CRDI	
11		Multipoint fuel injection Systems (MPFI) Common Rail Diesel Injection Systems (CRDI) Controlling system	
12		purpose, types of cooling systems, liquid cooling system-water jacket ports	
13		water pump and radiators, by pass recirculatory system	
14		temperature indicator, antifreeze, mixtures	
15		troubles and remedies of cooling system	
16	III	The electrical system	
17		Battery Capacity, standard capacity ratings	
18		starter motor drive-Bendix drive	
19		over running clutch	
20		solenoid switch and shift	
21		Ignition system;- Battery coil ignition system	
22		Ignition timing and its effect on engine performance	
23		Ignition advance mechanisms, Electronic Ignition system	
24	IV	Transmission system : Layout, types of clutches	
25		single plate friction clutch and multiple clutch	
26		clutch adjustments, clutch troubles an remedies	
27		Gear Boxes :- Sliding mesh	
28		constant mesh and synchromesh gear box	
29		function of over drive, trouble shooting and remedies	
30		torque convertor, automatic transmission	
31		Propeller shaft, hotchkiss drive, torque tube drive, differential	
32	V	Breaking system:- Mechanical, hydraulic brakes	
33		power brakes, and vacuum brakes	
34		brakes Fault finding and maintenance of brakes	
35		Steering system :- Function	

36		types of linkages. steering gears	
37		steering gear ratio, wheel balancing	
38		wheel alignment castor, king pin inclination, toe-in & toe-out & their effect	
39		introduction to power steering	
40	VI	Suspensions:- Rigid axle and independent suspension system	
41		shock absorbers	
42		Auto lubrication :- Types of lubrication	
43		their tests and ratings, multi- viscosity oils, chasis lubrication	
44		Engine lubrication :- types of lubricating system	
45		full premier system, dry sump system, oil pump	
46		oil filters system- by pass system, full flow system	
47		oil breather, crankcase ventilation, Engine lubrication troubles and remedies	

TEACHING PLAN

Subject: AUTOMOBILE ENGINEERNIG Semester: VIth Subject Code: 6ME05

Lecture No.	Unit	Topic Covered	Remark
1	I	Classification of automobiles	
2		chasis types, Power Unit Functions	
3		locations power for propulsion, engine mounting	
4		engine parts- types, construction and functions	
5		Multiple cylinder engines,	
6		General considerations of engine balancing	
7		firing order	
8	II	Fuel feed systems - fuel feed systems for petrol engines	
9		Fuel pumps, fuel filters, Air filters	
10		Basic principles of MPFI and CRDI	
11		Multipoint fuel injection Systems (MPFI) Common Rail Diesel Injection Systems (CRDI) Controlling system	
12		purpose, types of cooling systems, liquid cooling system-water jacket ports	
13		water pump and radiators, by pass recirculatory system	
14		temperature indicator, antifreeze, mixtures	
15		troubles and remedies of cooling system	
16	III	The electrical system	
17		Battery Capacity, standard capacity ratings	
18		starter motor drive-Bendix drive	
19		over running clutch	
20		solenoid switch and shift	
21		Ignition system;- Battery coil ignition system	
22		Ignition timing and its effect on engine performance	
23		Ignition advance mechanisms, Electronic Ignition system	
24	IV	Transmission system : Layout, types of clutches	
25		single plate friction clutch and multiple clutch	
26		clutch adjustments, clutch troubles an remedies	
27		Gear Boxes :- Sliding mesh	
28		constant mesh and synchromesh gear box	
29		function of over drive, trouble shooting and remedies	
30		torque convertor, automatic transmission	
31		Propeller shaft, hotchkiss drive, torque tube drive, differential	
32	V	Breaking system:- Mechanical, hydraulic brakes	
33		power brakes, and vacuum brakes	
34		brakes Fault finding and maintenance of brakes	
35		Steering system :- Function	
36		types of linkages. steering gears	
37		steering gear ratio, wheel balancing	
38		wheel alignment castor, king pin inclination, toe-in & toe-out & their effect	
39		introduction to power steering	

46		oil filters system- by pass system, full flow system	
47		oil breather, crankcase ventilation, Engine lubrication troubles and remedies	

P.V. Aedam.

Head
Dept. of Mechanical Engineering
P.R.M.I.T. & R. Badnera

Prof. Ram Meghe Institute of Technology & Research, Badnera

Department of First Year Engineering Department

AY:- 2021-22	**Execution Plan**	Comencement Date : 10-01-22
Name of Faculty :- Prof. Shailesh S. Dhok		Semester:- I&F
Subject:-Computer Programming	Subject Code:- 1A4	Section :- C

Sr. No.	Date	Topics	Sign of Faculty	Remark
	Unit-I	**Fundamental of the Computer and Computing Concepts**		
1	10-1-22	Generation of computers		
2	11-1-22	Classification of computers		
3	12-1-22	Basic Anatomy of Computer System,Input Devices, Processor, Output Devices, Memory Management		
4	13-1-22	Types of Computer Software, Overview of Operating system,		
5	17-1-22	Networking Concepts, Microsoft Office,		
6	18-1-22	Number systems: Decimal, Binary, Hexadecimal, Octal		
7	19-1-22	Conversion of Numbers,Binary Arithmetic Operations		
8	20-1-22	Programming Languages, Logic Gates		
	Unit-II	**C Fundamentals:**		
9	25-1-22	Introduction, Importance of C		
10	27-1-22	Basic Structure of C Programs, Program execution		
11	28-1-22	Basic programs based on C such as Printing Message		
12	28-1-22	Adding two numbers, Interest calculations		
13	29-1-22	Use of subroutines, math function		
14	31-1-22	C tokens, Keywords and Identifiers,		
15	02-02-22	Operators & their precedence, Assignment statement.		
16	02-02-22	Declaration of Variables, Declaration of Storage Class		
	Unit-III	**Operators, Expression and Input-Output operation**		
17	03-02-22	Operators, Types of Operators: Arithmetic, Relational		
18	03-2-22	Assignment, Increment-decrement		
19	05-2-22	Logical operator Assignment, Conditional operator		
20	05-2-22	Bitwise operator, Special operator		
21	08-2-22	Evaluation of Expression		
22	09-2-22	Precedence of Arithmetic Operators		
23	10-2-22	Input-Output Operation: Reading and Writing Character		
24	10-2-22	Formatted Input, Formatted Output.		

	Unit - IV	**C Control constructs**		
25	11-2-22	Decision-making using if, if-else		
26	12-2-22	Nested if, else if ladder		
27	14-2-22	switch-case statement		
28	16-2-22	Operator, GotoOperator		
29	18-2-22	Loops using for, while, do-while statements		
30	21-2-22	break and continue statements		
31	23-2-22	Jumps in loop		
32	24-2-22	Concise Test Expressions		
	Unit - V	**Array, Strings and Structures**		
33	24-2-22	Introduction to array, One Dimensional Array: Declaration & Initialization,		
34	24-2-22	Two Dimensional: Declaration & Initialization, Multi Dimensional,		
35	25-2-22	Strings: Declaration and Initialization, Reading String from terminal, Writing String to Screen		
36	28-2-22	Putting Strings together, Comparison of Two Strings		
37	4-3-22	String-Handling Functions		
38	5-3-22	Table of Strings, Other features of String,		
39	7-3-22	Structures – Define, Declaration		
40	9-3-22	Accessing the members of a structure		
	Unit - VI	**User Defined Functions, Pointers and File Management**		
41	10-3-22	Functions, Need for User defined Functions		
42	11-3-22	Multi Function Program, Elements of User Defined Functions		
43	12-3-22	Return Values and their types, Function Calls		
44	21-3-22	Function Declaration, and Categories of Functions		
45	24-3-22	Definition and uses of pointers, Accessing the address of a variable,		
46	25-3-22	Introduction to File Management		
47	26-3-22	Defining and Opening File, Closing File, Input/output Operations on File.		
48	28-3-22	Input/output Operations on File.		

Prof. Ram Meghe Institute of Technology & Research, Badnera

Department of First Year Engineering Department

AY: 2021-22

Execution Plan

Comencement Date: 10/01/22

Name of Faculty :- Prof. C. T. Prajapati

Semester: I

Subject: Engineering Mechanics

Subject Code:

Section : C

Sr. No.	Date	Topics	Sign of Faculty	Remark
1	10/01/22	RESULTANT- Concept of a force	CTP	
2	11/01/22	RESULTANT- Moment of a force about a point and about an axis, couple	CTP	
3	12/01/22	RESULTANT- Resolution and compositions of coplanar force system.	CTP	
4	13/01/22	RESULTANT- Reduction of system of forces into a force and a couple equivalent force system.	CTP	
5	17/01/22	EQUILIBRIUM- Free-body diagrams, equations of equilibrium	CTP	
6	18/01/22	EQUILIBRIUM- Problems of equilibrium involving co-planar force system acting on a particle	CTP	
7	19/01/22	EQUILIBRIUM- Rigid body and system of rigid bodies	CTP	
8	20/01/22	EQUILIBRIUM- Problems of equilibrium of non-coplanar concurrent force system	CTP	
9	25/01/22	TRUSS- Analysis of simple plane trusses	CTP	
10	27/01/22	TRUSS- Method of joints	CTP	
11	28/01/22	TRUSS- Method of sections	CTP	
12	29/01/22	TRUSS- Analysis of frames involving ideally connected members.	CTP	
13	31/01/22	FRICTION- Coulomb's law of friction	CTP	
14	01/02/22	FRICTION- Problems on Friction	CTP	
15	02/02/22	FRICTION- Static belt friction	CTP	
16	03/02/22	FRICTION- Wedge friction	CTP	
17	05/02/22	CENTROID- First moment of an area and centroid	CTP	
18	05/02/22	CENTROID- Second moment of an area	CTP	
19	09/02/22	CENTROID- Centroid	CTP	
20	10/02/22	CENTROID- Product of area	CTP	
21	11/02/22	CENTRE OF GRAVITY- Transfer theorems, polar moment of inertia	CTP	
22	14/02/22	CENTRE OF GRAVITY- Radius of gyration	CTP	
23	15/02/22	CENTRE OF GRAVITY- Definition of principle axes and principle moment of inertia.	CTP	
24	17/02/22	KINEMATICS- Definitions of displacement, velocity and acceleration and their relations	CTP	
25	18/02/22	KINEMATICS- Rectilinear motion under variable & constant accelerations	CTP	
26	21/02/22	KINEMATICS- Motion curves	CTP	
27	22/02/22	KINEMATICS- Simple relative motion between two particles	CTP	
28	24/02/22	KINEMATICS- Curvilinear motion using rectangular coordinates	CTP	
29	28/02/22	KINEMATICS- Normal and tangential components	CTP	

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30	02/03/22	KINEMATICS- Kinematics of rigid body motion in rectilinear translation	GR	
31	03/03/22	KINEMATICS- Rotation about a fixed axis and plane motion	GR	
32	04/03/22	KINETICS- Kinetics of rectilinear and circular motion of a particle acted upon by constant force system	GR	
33	07/03/22	KINETICS- Kinetics of rectilinear and circular motion of a particle acted upon by variable force system	GR	
34	08/03/22	KINETICS- D'Alembert's principle	GR	
35	10/03/22	KINETICS- Concept of dynamic equilibrium	GR	
36	11/03/22	KINETICS- Rectilinear motion of several interconnected particles	GR	
37	14/03/22	KINETICS- Kinetics of rigid body rectilinear translation	GR	
38	15/03/22	KINETICS- Rotation about a fixed axis of rigid body	GR	
39	15/03/22	WORK, POWER and ENERGY- Work-energy equation for motion of a particle	GR	
40	24/03/22	WORK, POWER and ENERGY- Problems on motion of a particle	GR	
41	25/03/22	WORK, POWER and ENERGY- System of particles	GR	
42	28/03/22	WORK, POWER and ENERGY- Work energy equation for rigid bodies rectilinear translation	GR	
43	28/03/22	LINEAR IMPULSE- Linear impulse, linear momentum, momentum equation for a particle and a system of particles	GR	
44	30/03/22	LINEAR IMPULSE- Collision of two particles	GR	
45	30/03/22	LINEAR IMPULSE- Coefficient of restitution	GR	

Prof. Ram Meghe Institute of Technology & Research,

Department of First Year Engineering Department

AY:- 2021-22 | **Execution Plan** | Comencement Date :- 10-1-22

Name of Faculty :- Prof. P. P. Thosare | Semester:- I

Subject: Basic Electrical Engineering. Subject Code:- 1B3 | Section : I

Sr. No.	Date	Topics	Sign of Faculty	Remark
1	10-1-22	Importance of subject & Introduction to syllabus		
		Unit – I: Fundamentals		
2	10-1-22	Basic concept of voltage, current, Power and energy their relationships with each other.		
3	11-1-22	Resistance, resistivity, conductance, conductivity, Ohm's Law		
4	12-1-22	Temperature effect on resistance , Temperature coefficient of resistance		
5	12-1-22	Numerical on Temperature coefficient of resistance.		
6	13-1-22	Series & Parallel circuits		
7	13-1-22	Numerical on Series & Parallel circuits		
8	14-1-22	Delta – Star & Star-Delta transformation		
9	15-1-22	Numerical on Star Delta transformation		
10	17-1-22	Kirchhoff 's laws (KCL & KVL)		
11	18-1-22	Superposition Theorem		
12	19-1-22	Thevenin's Theorem		
13	20-1-22	Numericals on Superposition & Thevenin's Theorem		
		Unit-II: Magnetic Circuit & Electromagnetism		
14	21-1-22	Basic concepts of Magnetic flux, Flux density, MMF, Reluctance, Magnetic field intensity & their		
15	21-1-22	Magnetic Leakage & Fringing of flux		
16	22-1-22	Series & Parallel magnetic circuit		
17	24-1-22	Series & Parallel magnetic circuit with air gap		
18	24-1-22	Series & Parallel magnetic circuit without air gap		
19	25-1-22	Numerical on series magnetic circuit		
20	27-1-22	Principles of electromagnetic induction, Self and mutual induction		
21	27-1-22	Magnetization curves		
		Unit – III : AC fundamentals		
22	28-1-22	RMS and average values, Form factor, peak factor		

	2-2-22	Purely resistive, inductive & capacitive circuit		
	3-2-22	Single phase AC Series circuit with resistance , inductance & Capacitance		
	4-2-22	Numericals on RLC series circuit.		
26	5-2-22	Phasor diagrams for series circuit & Series resonance		
27	7-2-22	Impedance triangle, Active & reactive power.		
28	9-2-22	Resonance in Series R-L-C Circuit and Numericals		
		Unit – IV : Polyphase Circuit		
29	10-2-22	Generation of three phase EMF.		
30	10-2-22	3 Phase Balanced Delta and Star connected system,		
31	11-2-22	Voltage and Current relationship between phase and line quantities for star connection		
32	11-2-22	Numerical on three phase star connected system		
33	12-2-22	Voltage and Current relationship between phase and line quantities for Delta connection		
34	14-2-22	Numerical on three phase Delta connected system		
		Unit – V : Electrical Machines		
35	15-2-22	A) Single phase Transformer:		
36	16-2-22	Principle of operation		
37	17-2-22	Construction & Classification		
38	18-2-22	EMF equation, losses, efficiency, Regulation of Transformer		
39	21-2-22	Numericals on efficiency , regulation of transformer		
40	22-2-22	B) Electromechanical Energy Conversion:		
41	23-2-22	Construction & various parts of DC machines		
42	24-2-22	Classification of DC machines		
43	25-2-22	Characteristics & applications of DC machines		
		Unit – VI : Electrical Apparatus & Safety		
44	02-3-22	Measurement of current & voltage		
45	3-3-22	(Ammeter & Voltmeter)		
46	4-3-22	Measurement of power & energy		
47	5-3-22	Wattmeter		
48	9-3-22	Energy- meter		
49	10-3-22	Range extension of Ammeter, Voltmeter,		
50	11-3-22	Necessity of Earthing, Limiting values for various installation,		
51	12-3-22	Types of Earthing (Pipe earthing		
52	14-3-22	Plate earthing)		

2021-22
Sem I (I)

Prof. Ram Meghe College of Engineering & Technology, Badnera, Amravati
First Year engineering Department
Subject: Engineering chemistry (1B2)
Execution Plan

AY:	2021-22			
Name of Faculty:		Prof. DR. K. D. Umaley		Sem-I
Subject: ENGG CHEMISTRY		Subject Code: 1B2	Section: (I)	
S.No.	Date	Topics	Signiture	Remark
1		**UNIT 1: Water Technology and analysis**		
	10.1.22	Introduction, Hardness of water, Types of hardness - temporary & permenant hardness, Units of Hardness and their inter-conversion		
	11.1.22	Hardness determination by EDTA method		
	12.1.22	Disadvantages of hard of water, Boiler troubles: Scale and Sludge formation, Caustic embritlement,		
	13.1.22	Priming & Foaming, Boiler corrosion		
	15.1.22	Zeolite process and Reverse Osmosis (RO)		
	17.1.22	Softening of hard water by Ion exchange process & its regeneration		
	18.1.22	Numerical Problem based on Hardness of water		
	19.1.22	Numerical Problem based on Zeolite process		
2		**UNIT 2: Corrosion and Energy storage system**		
	20.1.22	Introduction of corrosion, Dry and its mechanism		
	21.1.22	Wet corrosion and its mechanism		
	22.1.22	Pitting, waterline and inter-granular corrosion		
	24.1.22	Galvonic and stress corrosion		
	25.1.22	Role of design and material selection in corrosion control		
	26.1.22	Anodic and cathodic protection, Hot dipping(Galvanizing and tinning processes)		
	27.1.22	Basic principles of batteries & their types,		
	29.1.22	Construction, working and application of lithium- ion battery, Ni-Cd battery.		
3		**UNIT 3: Engineering Materials**		
	30.1.22	Introduction of Portland cement, Raw materials for the manufacturing of portland cement.		
	01.2.22	Manufacturing of portland cement by wet Process		
	02.2.22	Properties of cement- Setting and hardening		
	03.2.22	Heat of hydration and soudness of cement		
	04.2.22	Introductuion of Lubricants and its classification, Machanism of Lubrication		
	05.2.22	Testing of lubricants for viscosity and viscosity index, flash and fire point		
	08.2.22	Industrial Material: Definition, properties and Applications of ceramics & refractories.		

	08.2.22	Industrial Material: Definition, properties and Applications of thermal insulating material and Nanomaterial		
4		**UNIT 4: Energy Science**		
	09.2.22	Introduction of Fuels and its classification, Calorific value and its type- net and gross calorific value		
	10.2.22	Proxiamte and its significance		
	11.2.22	Ultimate analysis and its significance		
	14.2.22	Cracking of petroleum fractions, Use of gasoline and diesel in internal combusion engines		
	16.2.22 17.2.22	Knocking, chemical constitution and knoking properties, octane and cetane number		
	18.2.22	Numerical based on combustion		
	21.2.22	Numerical based on combustion		
	22.2.22	Numerical based on combustion		
5		**UNIT 5: Polymer Chemistry**		
	23.2.22	Introduction, Classification of polymer on the basis of their structure		
		Method of polymerization		
	24.2.22	Free radical, Cationic and Anionic mechanism of polymerization		
		Thermosetting and thermoplastic resin		
	25.02.22	Preparation, properties and uses of PVC, Teflon,		
	02.3.22 04.3.22	Preparation, properties and uses Bakelite, Introduction of Natural rubber, vulcanization of rubber		
	07.3.22	Preparation, properties and uses of synthetic rubber- styrene, nitrile and butyl rubber		
	08.3.22 09.3.22	Biodegradable polymers: properties and applications, Conducting polymers: Introduction, types of conducting polymer and their examples		
6		**UNIT 6: Phase rule & Spectrophotometric techniques**		
	11.3.22	Phase rule, Explanation of the terms: Phase, Components and Degree of Freedom		
	14.3.22	Application of Phase rule to One Component System (Water System),		
	15.3.22	Condensed phase rule and its application to two component system (Bi-Cd).		
	16.3.22	Principles and instrumentation of spectrophotometry		
	21.3.22	U.V and.IR spectroscopy		
	23.3.22	Principle & instrumentation of NMR spectroscopy		
	24.3.22	Surface characterization technique: X-ray diffraction		

Prof. Ram Meghe Institute of Technology & Research, Badnera
Department of First Year Engineering Department

AY:- 2021-22	Execution Plan	Commencement Date 10/01/2022

Name of Faculty :- Prof. Dr. N. B. Ingale Semester – I

Subject: Engineering Physics Subject Code:- 107 Section : A

Sr. No.	Date	Topics	Sign of	Remark
1	10/1/22	Introduction		
2	11/1/22	Formation of energy band		
3	12/1/22	Classification of solid on the basis of energy band gap		
4	14/1/22	Fermi level in intrinsic ,P and N type semiconductor		
5	15/1/22	Effect of temperature and impurity on fermi level		
6	17/1/22	Fermi level equation for intrinsic semiconductor		
7	18/1/22	Conductivity Equation, Problems		
8	20/1/22	Law of mass action and Charge neutrality equtiion		
9	21/1/22	Hall effect		
10	22/1/22	Problems		
11	24/1/22	Properties of photon		
12	25/1/22	De Broglie's hypothesis and equation		
13	27/1/22	Compton effect and its characteristics		
14	28/1/22	Compton shift Equtiion		
15	29/1/22	Problems		
16	31/1/22	Heisenberg's Uncertainty principle		
17	01/2/22	Energy-time equation		
18	3/2/22	Applications of Uncertainty principle		
19	4/2/22	Problems		
20	5/2/22	Basic concepts of electric and magnetic field		
21	7/2/22	Motion of electron in transversed electric field		
22	8/2/22	Motion of electron in transversed magnetic field		
23	10/2/22	deflection of electron confined to a small region		
24	11/2/22	motion of e- in cross electric and magnetic field		
25	12/2/22	Positive Rays ,Bainbridge mass spetrograph		
26	14/2/22	CRO:Block diagram, its working and applications		
27	15/2/22	Problems		
28	17/2/22	Interference:Thin film due to reflected light		
29	18/2/22	Newton's ring		
30	21/2/22	Applications of Newton's rings		
31	22/2/22	Diffraction:Theory and Grating equation		
32	24/2/22	Problems		
33	25/2/22	FIBER OPTICS : Construction and principle		
34	26/2/22	Acceptance angle and NA		
35	28/2/22	Types of Optical fiber		
36	01/3/22	Attenuation,Advantages and applications		
37	3/3/22	Problems		
38	4/3/22	Laser: Properties,Applications		
39	5/3/22	Absorption, spontaneous and stimulated emission		
40	7/3/22	Metastable state, Pumping, Three level laser		
41	8/3/22	Ruby laser		
42	10/3/22	Acaustics of Buildings: reverberation,Sabine's Eqn.		
43	11/3/22	Basic Requirements for Acoustically Good Hall		
44	12/3/22	Factors affecting acoustically Good Hall		
45	14/3/22	Problems		
46	15/3/22	Continuity equation,Viscosity, Stoke's law		
47	17/3/22	Bernoulli's theorem		
48	19/3/22	Poiseuille's Equation		
49	21/3/22	Ultrasonics: Properties, Production of Ultrasonic		
50	22/3/22	Uses of Ultrasonics waves and Problems		

Prof. Ram Meghe Institute of Technology & Research, Badnera
Department of First Year Engineering

Execution Plan

AY:- 2021-22	Comencement Date
Name of Faculty :- Prof. J. P. Morey	Semester:- I
Subject: Engg. Graphics Subject Code:- 184	Section:- H

Sr. No.	Date	Topics	Sign of Faculty	Remark
		Unit 1 - Introduction to Engineering Drawing and Projection		
1	10/1/22	Introduction to engineering instruments, concept of dimension and scale, geometric construction		
2	11/1/22	Projection of points by 1st angle method		
3	12/1/22	Projection of points by 3rd angle method		
4	13/1/22	Projection of line by 1st angle method & 3rd angle method		
5	17/1/22	Projection of line by 1st and 3rd angle method(Inclined to one plane)		
6	18/1/22	Projection of line inclined to both plane.		
7	19/1/22	Projection of plane (By using different type of plane)		
8	20/1/22	Projection of plane (By using auxiliary plane method)		
		Unit 2 - Projection of Solids		
9	25/1/22	Introduction		
10	27/1/22	Projection of Prism (By using different resting conditions)		
11	28/1/22	Projection of Prism (By using different resting conditions)		
12	29/1/22	Projection of Pyramid (By using different resting conditions)		
13	31/1/22	Projection of Pyramid (By using different resting conditions)		
14	1/2/22	Projection of Cone (By using different resting conditions)		
15	2/2/22	Projection of Cylinder (By using different resting conditions)		
		Unit 3 - Section of Solids		
16	3/2/22	Introduction		
17	5/2/22	Section of prism by different cutting plane (Using different resting conditions)		
18	5/2/22	Section of prism by different cutting plane (By using different resting conditions)		
19	9/2/22	Section of pyramid by different cutting plane (By using different resting conditions)		
20	10/2/22	Section of pyramid by different cutting plane (By using different resting conditions)		
21	11/2/22	Section of cone by different cutting plane (By using different resting conditions)		
22	14/2/22	Section of cylinder by different cutting plane (By using different resting conditions)		

Sr. No.	Date	Topics	Sign of Faculty	Remark
		Unit 4 - Orthographic Projection		
23	15/2/22	Introduction		
24	17/2/22	Problems on orthographic projection by first angle method		
25	18/2/22	Problems on orthographic projection by first angle method		
26	21/2/22	Problems on orthographic projection by first angle method		
27	22/2/22	Problems on orthographic projection by third angle method		
28	24/2/22	Problems on orthographic projection by third angle method		
29	28/2/22	Problems on orthographic projection by third angle method		
		Unit 5 - Isometric Views and Projection		
30	2/3/22	Introduction		
31	3/3/22	Problems on isometric views		
32	4/3/22	Problems on isometric views		
33	7/3/22	Problems on isometric views		
34	8/3/22	Problems on isometric views		
35	10/3/22	Problems on isometric projection		
36	11/3/22	Problems on isometric projection		
37	14/3/22	Problems on isometric projection		
		Unit 6 - Introduction to CAD software		
38	15/3/22	Introduction		
39	15/3/22	Drafting environment and screen		
40	24/3/22	Coordinate systems		
41	25/3/22	Editing commands		
42	28/3/22	Drafting of basic geometrical shapes		
43	30/3/22	Display commands and dimension command		
44	30/3/22	CAD software customization		

Prof. Ram Meghe Institute of Technology & Research, Badnera

Department of First Year Engineering Department

Lesson Execution Plan

AY:- 2021-22

Name of Faculty :- D. G. More

Subject: Engg. Mathematics-I

Subject Code:- IA1/11945

Semester:- I

Section : E

Sr No.	Date	Topics	Sign of Faculty	Remark
1	10/01	**Unit 1**:-Introduction of syllabus & university Examination Pattern.		
2	12/01, 13/01	Successive differentiation		
3	15/01	Leibnitz's theorem 1		
4	17/01	Leibnitz's theorem 2		
5	18/01	Expansion of a function by using Taylor's theorem.		
6	19/01	Expansion of a function by using Maclaurin's theorem.		
7	20/01	Indeterminate form 1		
8	21/01, 22/01	Indeterminate form 2		
9	24/01	**Unit 2**:-Introduction of partial differentiation		
10	25/01	Partial differentiation		
11	27/01	Total differential coefficients 1.		
12	28/01	Exact differential.		
13	29/01	Euler's theorem on homogeneous function 1.		
14	31/01	Euler's theorem on homogeneous function 2.		
15	01/02	Maxima and Minima of a function by Lagrange's Method 1		
16	02/02	Maxima and Minima of a function by Lagrange's Method 2		
17	03/02	**Unit 3**:-Introduction of Complex Number		
18	04/02	Demoiver's theorem.		
19	05/02	Application of Demoiver's theorem 1.		
20	08/02	Application of Demoiver's theorem 2.		
21	09/02	Hyperbolic function		
22	10/02	Inverse hyperbolic function		
23	11/02, 12/02	Separation of real and Imaginary parts of Complex Number		
24	14/02	Logarithm of Complex number		
25	15/02	**Unit 4**:-Introduction First order and first degree in various forms, Variable separable		
26	16/02	Homogeneous differential equation.		
27	18/02	Reducible toHomogeneous differential equation.		
28	21/02	Exact differential equation.		
29	22/02	Reducible to Exact differential equation.		
30	23/02	Linear differential equation		
31	24/02, 25/02	Reducible to Linear differential equation.		
32	02/03	Methods of Substitution.		
33	03/03	**Unit 5**:-Introduction of differential equation of first order and higher degree.		
34	04/03	Solvable for P 1.		
35	05/03	Solvable for P 2.		
36	07/03	Solvable for Y 1.		
37	08/03	Solvable for Y 2		
38	09/03	Solvable for X		
39	10/03	Application of D E of first order and higher degree to the Problem on orthogonal trajectories		
40	11/03	Application of D.E of first order and higher degree to the Problem on Electrical Engineering		
41	12/03	**Unit 6**:-Introduction of Sequences and Series		
42	14/03	Convergence of sequences and series		
43	15/03	Tests for convergence		
44	16/03	Comparision Test		
45	21/03	Ratio Test		

46	22/03	Root Test		
47	23/03	Raabe's Test		
48		Range of Convergence		

Prof. Ram Meghe Institute of Technology & Research, Badnera

Department of First Year Engineering Department

AY:- 2021-22

Lesson Execution Plan

Name of Faculty :- Prof. Dr. D. V. Kapse

Semester :- I

Subject :- Engg. Mathematics-II

Subject Code :- 1B1/11949

Section :- H

Sr. No.	Date	Topics	Sign of Faculty	Remark
1	18/01/22	Unit I : Introduction to matrix	DV	
2	11/01/22	partitioning method for inverse	DV	
3	12/01/22	Rank of the matrix	DV	
4	13/01/22	Rank and Nullity Theorem	DV	
5	15/01/22	Solution of simultaneous equations by matrix method.	DV	
6	17/01/22	Characteristic equation,eigen values	DV	
7	18/01/22	eigen vectors	DV	
8	19/01/22	Cayley Hamilton theorem to find inverse	DV	
9	20/01/22	Unit II : Introduction to Fourier series and it's uses.	DV	
10	21/01/22	Fourier series for periodic function in the range (c,c+2l)	DV	
11	22/01/22	Fourier series in the range (c,c+2l)	DV	
12	24/01/22	Half range fourier sine series	DV	
13	25/01/22	Half range fourier cosine series	DV	
14	27/01/22	Parseval's Theorem	DV	
15	28/01/22	Harmonic Analysis: introduction	DV	
16	29/01/22	Problems on Harmonic Analysis	DV	
17	31/01/22	Unit III : Introduction to reduction formulae	DV	
18	02/02/22	Reduction formulae	DV	
19	03/02/22	Reduction formulae	DV	
20	04/02/22	Gamma function and its properties	DV	
21	05/02/22	Gamma function examples	DV	
22	08/02/22	Beta function and its properties	DV	
23	09/02/22	Examples of Beta function	DV	
24	10/02/22	Relation between Beta and Gamma Function	DV	
25	11/02/22	Unit IV : Rules of Differentiation under integral sign when limit's are constant	DV	
26	12/02/22	Rules of Differentiation under Integral sign when limit's are Parameter	DV	
27	14/02/22	Tracing of curve in cartesian coordinates.	DV	
28	15/02/22	Tracing of curve in polar coordinates.	DV	
29	16/02/22	Tracing of curve in polar and parametric form	DV	
30	17/02/22	Rectification in cartesian coordinates	DV	
31	18/02/22	Rectification in cartesian coordinates	DV	
32	20/02/22	Rectification in polar coordinate.	DV	
33	21/02/22	Unit V : Introduction to Double integration.	DV	
34	24/02/22	Double integration in polar coordinates	DV	
35	25/02/22	Change the order of integration	DV	
36	02/03/22	Change the order of integration	DV	
37	03/03/22	Changing from cartesian to polar coordinates.	DV	
38	04/03/22	Changing from cartesian to polar coordinates.	DV	
39	05/03/22	Evaluation of Area by Double Integration	DV	
40	07/03/22	Evaluation of Area by Double Integration	DV	
41	08/03/22	Unit VI : Introduction and meaning of triple integration	DV	

42	09/03/22	Triple integration in cartesian coordinates.	[illegible]	
43	10/03/22	Triple integration in cartesian coordinates.	[illegible]	
44	11/03/22	Triple integration in spherical polar coordinates.	[illegible]	
45	12/03/22	Volume of solid by triple integration.	[illegible]	
46	15/03/22	Volume of solid by triple integration.	[illegible]	
47	16/03/22	Introduction to mean and R.M.S values.	[illegible]	
48	22/03/22	Mean values and R.M.S values.	[illegible]	

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Management Studies (M.B.A.)
(EVEN Semester 2021-2022)-SEMESTER-II
Execution Plan

Name of Faculty: R. K. Dhanuka ~~S.B. Diwan~~ **Year: 2021-22** **Section: A**

Subject Name: BE Sec 'A' **Semester: II** **Subject Code:**

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
~~1~~	~~1/5/22~~	~~Pre LPG Era~~		
(1)	9/5/22	Syllabus Detailing	Ram	
2	10/5/22	BE - Defn, nature, scope	Ram	
3	11/5/22	Characteristics of Business	Ram	
4	14/5/22	Objectives of Businesses	Ram	
5	18/05	Industry & types	Ram	
6	19/05	Economy Industry Company Interface	Ram	
7	23/05	Relevant Environment - caselet	Ram	
8	24/05	Busi environment	Ram	
9	25/05	Types of Environment	Ram	
10	28/05	External Environment / Internal Environ.	Ram	
11	30/05	Controllable & non-controllable Envi.	Ram	
12	07/06	Business & Society caselet	Ram	
13	08/06	Social audit of Business	Ram	
14	09/06	FDI - In India	Ram	
15	11/06	SEZ, AEZ, AEZ Economic zones	Ram	
16	13/06	Caselet - MIHAN	Ram	
17	22/06	Pre LPG ERA	Ram	
18	24/06	LPG - Economic Reforms	Ram	
19	02/07	Disinvestment	Ram	
20	06/07	Trade blocks Regional T.B.	Ram	
21	07/07	WTO	Ram	
22	09/07	Caselet on Regional T. Blocks	Ram	
23	11/07	Financial sector Reforms	Ram	
24	16/07	Economic Reforms	Ram	

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Department of Management Studies (M.B.A.)
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Execution Plan

Name of Faculty: S. B. Diwan **Year:** 2021-22 **Section:** A

Subject Name: RM **Semester:** II **Subject Code:**

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	12/5/22	Research – Introduction		
2	13/5/22	Business Research – Need		
3	19/5/22	Research ethics		
4	20/5/22	Hypothesis formulation		
5	21/5/22	Research Process		
6	28/5/22	Research Process – II		
7				
8	02/6/22	Caselet – I		
9	02/6/22	Caselet – II		
10	03/6/22	measurements in Research		
11	04/6/22	Types of Scales		
12	09/6/22	Designing Scales		
13	10/6/22	Data – Secondary data		
16	23/6/22	Question Paper Discussion		
17	25/6/22	Data Collection Methods		
18	27/6/22	Answer Paper Discussion		
19	02/7/22	Questionnaire Vs schedules		
20	04/7/22	Research Instrument Criteria		
21	7/7/22	Caselet – I		
22	8/7/22	Editing & Coding of data		
23	8/7/22	Data Analysis – Numerical – I		
24	9/7/22	Numerical – II		
25	14/7/22	Attitude measurement Scales		
26	15/7/22	Coefficient of Correlation		
27	16/7/22	CoC Numerical		

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Department of Management Studies (M.B.A.)
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Execution Plan

Name of Faculty: Atw Khawad. Year: 2021-22 Section: A

Subject Name: FM Semester: II Subject Code:

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
	17/5	FM Theory.		
	19/5	Wealth Maximisation		
	23/5	Traditional & Modern App.		
	24/5	sources of finance		
	26/5	long Run & short term		
	27/5	Financial leverage		
	30/5	operating leverage.		
	31/5	Ratio Analysis.		
	31/5	Ratio Analysis		
	2/6	Cap Budgeting		
	3/6	Cap Budgeting		
	4/6	payback period.		
	4/6	ARR Method.		
	7/6	NPV Method.		
	13/6	Cap. structure theories.		
	14/6	NI Model		
	22/6	NOI Model		
	28/6	Dividend policy.		
	29/6	Goden Model		
	30/6	Walter Model		
	01/07	MM Model		
	4/07	Working Capital		
	11/7	estimation of working cap.		
	12/7	operating cycle		
	15/7	Revision.		

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Department of Management Studies (M.B.A.)
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Execution Plan

Name of Faculty: **Year: 2021-22** **Section: A**

Subject Name: MM **Semester: II** **Subject Code:**

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	09/5/22			
2	10/5/22			
3	11/5/22			
4	17/5/22			
5				
6				
7				
8				
9				
10	23/5/22	Market Strategies	AD.	
11	24/6/22	Marketing Mix - I	AD	
12	27/6/22	Marketing Mix II	AD	
13	28/6/22	Market Segmentation - I	AD	
14	29/6/22	Market Segmentation II	AD.	

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Department of Management Studies (M.B.A.)
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Execution Plan

Name of Faculty: Prof R.A. Kapdiya Year: 2021-22 Section: A

Subject Name: POM Semester: II Subject Code:

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	9/05	Introduction to POM.	R.K	
2	10/05	Scope, functions.	R.K	
3	11/05	Input - Output illustrations	R.K	
4	17/05	Integration & Ob. of POM	R.K	
5	18/05	Types of Manufacturing Syste	R.K	
6	23/05	Importance & Example of Plant	R.K	
7		Layout.	R.K	
7	31/05	Planning & analysis & control	R.K	
8	01/06	PPC - functions	R.K	
9	01/06	Mass, Batch & Jobs.	R.K	
10	6/06	Prodⁿ. Scheduling	R.K	
11	07/06	Prodⁿ planning line balancing.	R.K	
12	8/06	Industrial Safety.	R.K	
13.	14/06	Assignment	R.K	
14.	22/06	-11-	R.K	
(15)	29/06	Sequencing - Numericals	R.K	
(16)	04/7	-11-	R.K	
(17)	06/07	Capacity :- measures, strategies	R.K	
	11/07	Quality assurance & control	R.K	
	12/7	Statistical Quality control	R.K	
	13/07	Numericals on EOQ	R.K	
	18/07	Work study, Scope, work mea	R.K	
	19/07	Method study	R.K	
	20/7	Numericals -11-	R.K	
	25/7	Numericals -11-	R.K	

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Department of Management Studies (M.B.A.)
(EVEN Semester 2021-2022)-SEMESTER-II

Execution Plan

Name of Faculty: Prof. K. S. Bijwe Year: 2021-22 Section: A

Subject Name: LM Semester: II Subject Code:

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	14-6-22	Introduction to logistics.		
2	19-6-22	Interface of logistics with Production		
3	20-6-22	Interface of logistics with mkt		
4	21-6-22	Performance measures of logistics.		
5	27-6-22	Reverse logistics.		
6	28-6-22	Logistics and Distribution system.		
7	30-6-22	logistics system analysis & Design.		
8	2-8-22	Warehousing and Distributing		
9	3-8-22	Channels Management.		
10	4-8-22	policies of C.M.		
11	10-8-22	Information systems.		
12	11-8-22	Information technology in L.M.		
13	22-8-22	Transportation system.		
14	23-8-22	Transportation management		
15	25-8-22	Transportation infrastructure.		
16	27-8-22	Facilities of Transportations.		
17	01-7-22	Services of Dispatch Routing Decision		
18	2-7-22	Numericals on T.S. by CWC.		
19	7-7-22	Numericals on T.S. Cost cell method		
20	8-7-22	Numericals on T.S. by VAM		
	9-7-22	Inventory management Decisions		
	14-7-22	Logistics Audit and control		
	15-7-22	Packaging & Logistical Materials		
	16-7-22	International Logistics Planning.		
	21-7-22	Global Logistics		

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Department of Management Studies (M.B.A.)
(EVEN Semester 2021-2022)-SEMESTER-II
Execution Plan

Name of Faculty: Dr. S. Kalmegh. **Year: 2021-22** **Section: A**

Subject Name: MS **Semester: II** **Subject Code:** 1128.

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
	11/05	U1 → What is management science Importance		
	12/05	Role of management science in decision making		
	13/05	Assumptions of Management Science;		
	18/05	Characteristics of Management science		
	20/05	Tools of management science.		
	25/05	U2:- Linear programming, concept		
	28/05	defn. —"—		
	03/06	features of linear programming		
	03/06	steps in formulating LPP		
	14/06	examples of LPP formulation		
	25/06	Numericals on LPP formulation		
	29/06	Numericals on LPP formulation		
	30/06	U3- Transportation problem		
	02/07	concept, meaning.		
	08/07	Advantages of Transportation problem		
	09/07	VAM method of Transportation		
	13/07	NWC rule method of Trans.		
	15/07	NWC rule —"—		
	16/07	least cost method of transpor.		
	20/07	U4- Network analysis, concept,		
	22/07	advantages, slope.		
	23/07	PERT, numericals, application		
	27/07	CPM, Numericals		
	29/07	Game theory,		
	30/07	Simulation, concept.		

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Department of Management Studies (M.B.A.)
(Odd Semester 2021-2022)
Execution Plan

Name of Faculty: R.K. Dhamuka **Year: 2021-22** **Section: B**

Subject Name: BE **Semester:** II **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	11/5	Concept, nature of Business	Ram	
2	13/5	Scope of Business, Busi organization	Ram	
3	14/5	Industry & types	Ram	
4	20/05	Economy – Industry - company Interface	Ram	
5	21/05	Relevant Environment, caselet	Ram	
6	25/05	Business Environment	Ram	
7	28/05	Types Of Environment	Ram	
8	07/06	External Environment	Ram	
9	09/06	External Environment Caselet	Ram	
10	11/06	Controllable & non controllable Envi.	Ram	
11	13/06	Business & society	Ram	
12	24/06	Social audit & Business	Ram	
13	25/06	FDI, caselet MNAH	Ram	
14	01/07	Economic Zones SEZ	Ram	
15	02/07	AEZ, REZ	Ram	
16	08/07	Financial sector Reforms	Ram	
17	09/07	Fiscal & monetory sector Reforms	Ram	
18	15/07	Economic Reforms caselet	Ram	
19	16/07	Social Justice, Busi Env Issues	Ram	
20	22/07	Tourism & Hospitality Industry Envi	Ram	
21	29/07	Healthcare & Knowledge Industry	Ram	

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Department of Management Studies (M.B.A.)
(EVEN Semester 2021-2022)-SEMESTER-II
Execution Plan

Name of Faculty: S.B.Diwan **Year: 2021-22** **Section: B**

Subject Name: BE **Semester: II** **Subject Code:**

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	10/5/22	Pre LPG Era	[signature]	
2	17/5/22	LPG - Economic Reforms	[signature]	
3	24/5/22			
4	31/5/22	Caselet on LPG	[signature]	
5	7/6/22	Trade Blocs	[signature]	
6				
7		WTO	[signature]	
8	12/7/22	Caselet on Regional Blocs	[signature]	
9	19/7/22	~~Economic Re~~ Financial Reforms	[signature]	
10	26/7/22	Economic Reforms	[signature]	
		Subject Sharing		
		One lecture per week		
				[signature] HEAD Department of Management Studies P.R.M.I.T. & R. Badnera

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Management Studies (M.B.A.)
(EVEN Semester 2021-2022)-SEMESTER-II
Execution Plan

Name of Faculty: **Year: 2021-22** **Section: B**

Subject Name: RM **Semester: II** **Subject Code:**

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	10/05	UNIT-I : Introduction to Research		
2	11/05	Research & scientific method		
3	12/05	Nature & Scope of RM		
4	17/05	Problem & hypothesis formulation		
5	18/05	Research objectives & cost/value of Info.		
6	23/05	UNIT-II : Research process		
7	25/05	Research Design : Descriptive		
8	27/05	Exploratory & Experimental Design		
9	30/05	Research agencies		
10	31/05	Organizational Structure for Research		
11	01/06	Revision on Research process		
12	06/06	Cases on Research Design		
13	10/06	University question papers of RM		
14	24/06	UNIT-III : Meaning & types of data		
15	27/06	Methods of primary data : Observation		
16	28/06	Interview & Survey methods		
17	29/06	Modern tools : TAT, word association		
18	04/07	Questionnaire & Schedule		
19	05/07	Tabulation & Data presentation		
20	06/07	Numerical on frequency distribution		
21	11/07	Unit-IV - Attitude measurement technique		
22	12/07	Motivational research technique		
23	19/07	Sample Design		
24	25/07	Sampling technique		
25	26/07	Unit-V - Hypothesis testing		
26	27/07	Correlation analysis		
27	1/08	Regression analysis		
28.	1/08	Numericals		
29.	2/08	Numericals		

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Department of Management Studies (M.B.A.)
(EVEN Semester 2021-2022)-SEMESTER-II
Execution Plan

Name of Faculty: Prof. V. R. Vaidya **Year: 2021-22** **Section: B**

Subject Name: HRM **Semester: II** **Subject Code:** 203

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1)	12/5	Introduction of subject		
2)	13/5	HRM in India. HR Planning		
3)	14/5	HRM Importance, objectives & HR		
4)	19/5	Recruitment & selection, Features		
5)	20/5	HRM Process		
6)	21/5	HRIS		
7)	26/5	Case studies		
8)	27/5	HRD Concepts		
9)	28/5	Functions & orgn Effectiveness		
10)	2/6	Performance Appraisal System		
11)	3/6	Potential Appraisal System		
12)	4/6	Succession Planning		
13)	9/6	Career Development		
14)	10/6	T & D		
15)	11/6	Motivational objective		
16)	16/6	types & Application		
17)	17/6	Participation Mngt.		
18)	18/6	Employees Empowerment		
19)	23/6	Objectives schemes Application		
20)	24/6	Case study Unit I		
21)	25/6	Case study Unit II		
22)	30/6	Case study Unit III		
23)	1/7	HRM Reward System		
24)	2/7	O.D.		
25)	7/7	Quality of work Life		

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(EVEN Semester 2021-2022)-SEMESTER-II
Execution Plan

Name of Faculty: G.S. Kalmegh. **Year:** 2021-22 **Section:** B

Subject Name: FM **Semester:** II **Subject Code:**

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
	09/05	U1:- financial management concept defn., Importance, limitation.		
	10/05	Sources of finance		
	11/05	Ratio analysis, Liquidity Ratios Numericals.		
	17/05	—"— :- Numericals		
	18/05	capital structure Ratios. Numericals		
	23/05	—"— :- Numericals		
	24/05	profitability Ratios - Numericals		
	25/05	—"— :- Numericals		
	30/05	cashflow statement- Numericals		
	31/05	cash flow statement }		
	01/06	Fund flow statement } Numericals		
	06/06	U2 Time value of money, concept,		
	07/06	Advantages of T.V.M., Numericals.		
	08/06	capital structure, defn., concept,		
	27/06	capital structure - Theories, approaches Introduction,		
	28/06	—"— :- Assumption, Numerical on		
	29/06.	Numerical on net income approach EPS		
	04/07	Numericals on net operating income approach		
	05/07	U3 what is financing, Sources of financing, long terms. term		
	06/07	long term & short term sources Instruments		
	11/07	weighted average cost of capital.		
	12/07	WA : Sources of finance on diff basis		
	13/07	—"—		
	14/07	optimum capital structure.		
	18/07	Optimum Capital Structure		
	18/07	capital Budgeting Decision		
	19/07	capital Budgeting Decision		
	20/07	valuation of Bond - concept terminologies		

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Department of Management Studies (M.B.A.)
(EVEN Semester 2021-2022)-SEMESTER-II
Execution Plan

Name of Faculty: Prof. K. S. Bijawe **Year: 2021-22** **Section: B**

Subject Name: POM **Semester: II** **Subject Code:**

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1)	9-5-22	datawe & scope of Production	Bijp	
2)	10-5-22	operations managements.	Bijp	
3)	11-5-22	Facility location	Bijp	
4)	17-5-22	Types of manufacturing system Plant layout	Bijp	
5)	23-5-22	Types of plant layout	Bijp	
6)	24-5-22	planing & analysis	Bijp	
7)	30-5-22	Production planning & control objectives	Bijp	
8)	31-5-22	Function of PPC	Bijp	
9)	1-6-22	Production planning & production control	Bijp	
10)	10-6-22	Role of PPP in class, Batch & Job	Bijp	
11)	10-6-22	Production scheduling.	Bijp	
12)	11-6-22	numericals on Job sequencing	Bijp	
13)	27-6-22	——— " ———	Bijp	
14)	28-6-22	line balancing, numericals	Bijp	
15)	29-6-22	numericals on Job assignment	Bijp	
16)	05-7-22	Industrial safety	Bijp	
17)	06-7-22	Importance & various types of safety	Bijp	
18)	7-7-22	Their prevention	Bijp	
19)	11-7-22	Capacity planning, measures, strategies	Bijp	
20)	12-7-22	Quality assurance & control	Bijp	
21)	13-7-22	statistical Quality control	Bijp	
22)	18-7-22	numerals on EOQ	Bijp	
23)	19-7-22	clock study, scope, work content,	Bijp	
24)	20-7-22	method study,	Bijp	
25)	25-7-22	work measurement,	Bijp	

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T, T, F, S.

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Execution Plan

Name of Faculty: Prof R.A. Kapdys Year: 2021-22 Section: B

Subject Name: M.S Semester: II Subject Code:

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	12/5.	Basic concept, Role of MS.	R.K	
2	13/5.	Decision Theory	R.K	
3	14/5.	-11-	R.K	
4	18/5	Decision Tree.	R.K	
5	19/5.	Decision Tree	R.K	
6	20/5	Transportation :- LCM Method.	R.K	
7	26/5	-11-	R.K	
8	27/5	Vogel's Approximation Method	R.K	
9	28/5	-11-	R.K	
10	9/06	N.W.C. Rule.	R.K	
11	10/6	Assignment Model, Introduction	R.K	
12	11/6	Numericals.	R.K	
13	~~23~~/6	-11-	R.K	
14	~~23~~/6		R.K	
15	~~24~~/6	Network Analysis :- Meaning	R.K	
16	25/6.	Pert :- Introduction	R.K	
17	30/6.	Numerical. - Pert	R.K	
18	1/7	Numerical - PERT	R.K	
19	2/7	CPM :- Introduction	R.K	
20	7/7	Numerical.	R.K	
21	8/7	Numerical.	R.K	
22	9/7	Difference between Pert & CPM	R.K	
23	14/7	Game theory - Introd, Importance	R.K	
24	15/7	Numericals	R.K	
25	16/7	-11-	R.K	

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(Even Semester 2021-2022)
Execution Plan

Name of Faculty: RAK **Year: 2021-22** **Section: FIN**

Subject Name: FD **Semester: IV** **Subject Code:**

I & II Units Covered Online

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	14/03	U3:- Introduction to Future Cont	R.K	
2	15/03	Introduction to Margins, Types	R.K	
3	16/03	Numericals -11-	R.K	
4	21/03	Hedge, & Types of Hedge	R.K	
5	22/03	Numerical on short Hedge	R.K	
6	28/3	Pricing of Future Contract	R.K	
7	29/3	-11-	R.K	
8	30/3	Carry Cost & Convience Yield	R.K	
9	4/4	U4:- Introduction to option	R.K	
10	5/4	Types of options	R.K	
11	5/4	Pricing of option.	R.K	
12	6/4	-11-	R.K	
13	11/4	Black & Scholes Model	R.K	
14	12/4	-11-	R.K	
15	12/4	Binomial Model.	R.K	
16	13/4	-11-	R.K	
17	18/4	Strategies involving options.	R.K	
18	19/4	Strategies involving options.	R.K	
19	20/4	U5:- Swaps introduction.	R.K	
10	25/4	Mechanism of Swaps	R.K	
11	26/4	Currency Swaps. Theory	R.K	
12	27/4	Currency Swaps :- Numericals	R.K	
13	2/5	Interest rate Swaps: Theory	R.K	
14	3/5	Int rate swaps: Numericals	R.K	
15	4/5.	Case study from Q.P	R.K	

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Execution Plan

Name of Faculty: RAK **Year: 2021-22** **Section: FIN**

Subject Name: MFS **Semester: IV** **Subject Code:**

few class taken Online & completed - I unit

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	10/3	U_1 Caselets - U_1	R.K	
2	11/3.	U_1 Caselets - U_1	R.K	
3	12/3.	U_3 → Leasing :- Introduction, working	R.K	
4	24/3.	Numerical on Leasing.	R.K	
5	25/3.	-11-	R.K.	
6	26/3.	U_3 → Caselets - Section D - Q. Paper	R.K.	
7	31/3	U_3 - Hire Purchase	R.K	
8	01/4	U_2 - Stock Mrkt Operations	R.K	
9	2/4	Issue of shares	R.K	
10	7/4	Bonds	R.K	
11	8/4	Fixed Deposits & Corporate Loan	R.K	
12	9/4	Risks in financial Services	R.K	
13	21/4	Caselets - U_2	R.K	
14	22/4	Review of Question papers	R.K	
15	23/4	Credit Rating	R.K	
16	28/4	Credit cards	R.K	
17	29/4	Mutual funds - Theory	R.K	
18	29/4	M.F - Caselet	R.K	
19	30/4	Insurance & Banking	R.K	
20	30/4	Merchant Banking Services	R.K	
21	~~01/4~~	Venture Capital - Introduction	R.K	
22	02/5	V.C - Theory & case	R.K	
23	03/5	Factoring ~~for~~ - Theory	R.K	
24	03/5	Bill Discounting	R.K	
25	04/5	Q.P. practice	R.K	

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Name of Faculty: GSK **Year: 2021-22** **Section: FIN**

Subject Name: FDA **Semester: IV** **Subject Code:**

Sr. No	Date 2022	Topics Covered	Sign. of Faculty	Sign. of HOD
	22/02 25/02	U1:- Ratio Analysis, concept, types.		
	26/02	U1:- R.A → Numericals.		
	02/03	U1:- Cash flow statement, concept numericals		
	03/03	U1:- cash flow statement, numericals		
	04/03	U1:- fun —— " ——.		
	08/03	U1:- fund flow statement, concept		
	09/03	U1:- ffs → Proforma - ffs, fund from operation.		
	10/03	U1:- statement of changes in WC.		
	11/03	U2:- ~~capt~~ fund flow statement		
	15/03	fund flow statement - practice Numericals		
	17/03	U2 Capital ~~str~~ expenditure decision.		
	24/03	Importance, factors affecting		
	25/03	U3:- Leasing V/s Buying.		
	31/03	U3 - Replacement decision - Concept.		
	05/04	—— " ——.		
	07/04	sequencing Decision.		
	08/04	sequencing decision, numericals		
	12/04	U4:- financial restructuring Decisions		
	19/04	Business failure & reorganisation		
	21/04	Merger & Aquisitions		
	22/04	capital structure decisions		
	25/04	capital structure decisions.		
	28/04	Financial Decision Models -		
	29/04	Dividend valuation models.		
	05/05	Present valuation models.		

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Name of Faculty: AEK **Year: 2021-22** **Section: FIN**

Subject Name: IM **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
	10/3	Introduction to Insurance		
	12/3	principle of Insurance contd.		
	21/3	Introduction of Life Ins		
	23/3	Mortality Table		
	24/3	Need & Imp of Mortality table		
	28/3	Computation of premium		
	30/3	Life Insurance product		
	04/4	Life Insurance vs Annuity		
	08/4	ULips & Insurance.		
	18/4	LIC & Role.		
	20/4	IRDA & Role		
	22/4	Health Insurance		
	25/4	General Insurance.		
	27/4	Revision.		

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Name of Faculty: KSB **Year: 2021-22** **Section: FIN**

Subject Name: SAPM **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
	21-2-22	Security analysis, Def. obj. & inform"		
	22-2-22	operations of indian stock market		
	23-2-22	Type & its Recent Development		
	28-2-22	Listing & indexing of securities.		
	2-3-22	SEBI - Roles. Functions.		
	7-3-22	Fundamental Analysis.		
	8-3-22	Economy - Industry		
	9-3-22	Company Analysis.		
	14-3-22	Technical Analysis.		
	15-3-22	Tools & Techniques.		
	16-3-22	Portfolio Management Concept & meaning		
	21-3-22	Risk - return Trade off		
	22-3-22	The mean - variance criterion		
	23-3-22	Markowiz portfolio Theory		
	28-3-22	CIVC & portfolio selection.		
	29-3-22	Portfolio of 2 Risky security		
	30-3-22	Numericals on ~~that~~ 2 of 3 risky secu.		
	4-4-22	Efficient Frontier.		
	5-4-22	Tracing & construction, single index		
	6-4-22	Capital asset pricing char. Lines.		
	11-4-22	Factor models (Problems)		
	12-4-22	Arbitrage pricing model (Numericals)		
	13-4-22	Portfolio Investment Proces.		
	18-4-22	Bond portfolio Management		
	19-4-22	Investment timing		

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Name of Faculty: GDP **Year: 2021-22** **Section: FIN**

Subject Name: FEM **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
	02/03	Quotations spot market		
	02/03	Numericals		
	12/03	Spread calculation		
	16/03	Exchange rate theory		
	17/03	Forward contracts		
	23/03	PPP theory		
	24/03	Numericals		
	26/03	Cost of capital		
	30/03	Sources of finance		
	01/04	International bonds		
	03/04	Calculation of bond yield		
	06/04	cost of retained earnings		
	09/4	currency swaps		
	10/04	Arbitrage		
	20/04	Numericals		
	3/04	Capital Budgeting		
	27/04	Numericals		
	27/4			

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Name of Faculty: PAK **Year: 2021-22** **Section: MKTG**

Subject Name: SPM **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	03/03	SPM. UNIT I & II - Consumer Behaviour	PAK	
2	04/03	theories & models of CB	PAK	
3	05/03	Deal prone consumer	PAK	
4	10/03	CB & sales promotion	PAK	
5	11/03	Economic theories of promotion	PAK	
6	12/03	Consumer psychology	PAK	
7	24/03	Sales promotion planning	PAK	
8	25/03	Budgeting in SPM	PAK	
9	26/03	Experiments in SPM	PAK	
10	31/03	case study	PAK	
11	1/04	Theories (economic) of SPM	PAK	
12	7/04	Couponing strategies	PAK	
13	8/04	advantages of couponing	PAK	
14	9/04	Coupon strategy live Examples	PAK	
15	16/04	Case study on online couponing	PAK	
16	21/04	Sales promotion budget	PAK	
17	22/04	Nestle's promotion case study	PAK	
18	23/04	PLC & SPM	PAK	
19	28/04	Flipkart & Amazon sp strategy	PAK	
20	30/04	previous year question paper discussion	PAK	
21	02/05	Previous year question paper discussion	PAK	
			PAK	

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Name of Faculty: AVD / RKD **Year: 2021-22** **Section: MKTG**

Subject Name: MOS **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	21/2	Introduction to services, understanding	Ram	
2	22/2	Nature & Service mktg	Ram	
3	28/2	classification of services	Ram	
4	07/03	Importance of service marketing	Ram	
5	08/03	service experience	Ram	
6	14/03	Consumer behaviour in services	Ram	
7	15/03	customer expectations & perceptions	Ram	
8	21/03	listening to customers	Ram	
9	22/03	monitoring & measuring customer satisfn	Ram	
10	28/03	Complaints handelling	Ram	
11	29/03	Strategic issues in services	Ram	
12	04/04	market segmentation & targetting	Ram	
13	05/04	Positioning & differentiation of services	Ram	
14	11/04	Managing demand & capacity	Ram	
15	12/04	Tourism & travel services mktg	Ram	
16	18/04	Marketing of financial services	Ram	
17	19/04	Communication & Information services	Ram	
18	25/04	media services marketing	Ram	
19	26/04	Marketing of professional services	Ram	
20	02/05	case study service mktg	Ram	

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Name of Faculty: RKD **Year: 2021-22** **Section: MKTG**

Subject Name: MNPOSS **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	23/2	Scope & applin of non profit mktg	Ram	
2	24/2	NPO's, Hospitals, Mass, Police	Ram	
3	25/2	Adult literacy programme	Ram	
4	02/03	Environment protection, social forestry	Ram	
5	03/03	Setting marketing objectives	Ram	
6	04/03	Analysing Internal Environment	Ram	
7	09/03	External Envi influencing NPO's	Ram	
8	10/03	Market segmentation	Ram	
9	11/03	Customer targetting	Ram	
10	16/03	marketing mix strategies	Ram	
11	17/03	Product-service life cycle of NPO	Ram	
12	23/03	Social services marketing	Ram	
13	24/03	Beneficiary Contact programme	Ram	
14	25/03	Use of print & Electronic media	Ram	
15	30/03	Diffusion of Innovation	Ram	
16	31/03	Marketing tools	Ram	
17	01/04	Distribution & delivery strategy	Ram	
18	06/04	Case Study	Ram	
19	07/04	Marketing Strategies for Social Sector	Ram	
20	08/04	Relevance of CSR	Ram	
21	13/04	Review of marketing strategies	Ram	
22	20/04	monitoring of social marketing	Ram	
23	21/04	Caselets	Ram	
24	22/04	Application of marketing for NGOs	Ram	
25	27/04	Health & family welfare - NPOs	Ram	

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Name of Faculty: SBD **Year: 2021-22** **Section: MKTG**

Subject Name: RTM **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
5	07/03	Retail-Indian Perspective		
6	09/03	Types of Retailing		
7	16/3	Store Retailing-Non-store		
8	17/03	Types of retail formats		
9	19/3	Franchising in retailing		
10	23/3	Retail Marketing mix		
11	24/3	Promotion mix-Retail mktg		
12	30/3	Retail Consumer Behaviour		
13	31/3	Consumer Influences in Retail		
14	04/04	Promotional Activity in Retail		
15	06/04	organization structure in Retail		
16	07/04	Careers in Retail		
17	08/04	Careers in Retail-2		
18	09/04	Caselets		
21	20/04	Store Outlet		
22	21/04	Store Design		
23	28/04	Store Design-II		

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Name of Faculty: GJDP **Year: 2021-22** **Section: MKTG**

Subject Name: RUM **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1)	21/02	Challenges in rural market		
2)	22/02	Rural consumer beh.		
3)	25/02	Case Study of Rural CB.		
4)	28/02	product strategy in RM		
5)	01/03	Role of distribution		
6)	04/03	Designing distribution cha		
7)	07/03	Rural marketing comm.		
8)	08/03	media planning		
9)	11/03	promotion in Rural mark		
10)	21/03	Case Study - promotion		
11)	24/03	Innovation adoption		
12)	26/03	Brand loyalty		
13)	28/03	Pricing strategy in RM		
14)	29/03	Rural Market Research		
15)	01/4	Segmentation - targeting		
16)	04/04	positioning in rural market		
17)	08/04	Competitive product strategy		
18)	09/04	Selecting market for product		
19)	28/04	product mix decisions.		
20)	29/04	promotion towards Rural m		

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Name of Faculty: SBD **Year: 2021-22** **Section: MKTG**

Subject Name: IME **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
6	08/03	UNCTAD & WTO		
7	09/03	Free trade Area		
8	14/03	Custom Union, Common Market		
9	15/03	Intl. Business Theories		
10	16/03	EXIM Policy		
11	21/03	Economic Integration		
12	23/03	Forms, Benefits of EI		
13	28/03	Regional Trade Blocs		
14	29/03	Advantages & Disadvantages of Trade Bloc		
15	30/3	International Politics & Trading Partners		
16	04/04	Export Promotion Council (EPC)		
17	05/04	ECGC		
18	06/04	Commodity Boards		
21	20/04	Shipping : Introduction		
22	25/04	CTI Paper Discussion		
23	26/04	Transportation		

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Name of Faculty: VRV **Year: 2021-22** **Section: HR**

Subject Name: HBWP **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	7/3	Whole Person Approach		
2	8/3	Models of Man		
3	9/3	Attitude, Change in Attitude		
4	14/3	Personality, Values		
5	15/3	Do Satisfaction		
6	16/3	Perception		
	22/3	Personality Types		
	23/3	Commitment		
	28/3	Emotion Mood Type		
	29/3	EI, TA, Motivation		
	30/3	Group Dynamics		
	4/4	Learning, models		
	5/4	Conflict & Conflict Resolution		
	6/4	Negotiation, Counselling.		
	11/4	Participative Management		
	12/4	Concept of Reinforcement		
	13/4	Organization Culture Defn		
	18/4	Type & Function		
	19/4	Managing Culture		
	20/4	Creating & Sustaining Culture		
	25/4	organizational Climate Concept		
	26/4	Dimention of Org Climate		
	27/4	Determinents of Climate		
	2/5	Culture Vs Climate		
	3/5	Quality of Work Life		

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Name of Faculty: MMTV **Year: 2021-22** **Section: HR**

Subject Name: MGP **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	10/03/22	Group dyanics, Group cohesiveness.		
2	11/03	Inter & process & Group change		
3	12/03	Influence process & case study		
4	16/03	Interpersonal Rel^n & communication		
5	17/03	Interpersonal Awareness		
6	18/03	Group Communication & it's process		
7	23/03	feeback process.		
8	24/03	Interpersonal awarness & Case Let's		
9	25/03	Group effects - Group synergy		
10	30/03	Inter group Relationship		
11	31/03	Team building, Group leadership, power		
12	06/04	stress mang & frustration		
13	07/04	Conflict, positive synergy		
14	08/04	power & politics		
	20/04	Group frustruction - H.to overcom		
	21/04	frustruction mang in Orgnization		
	22/04	Group Leadership		
	27/04	case let		
	28/04	Case studies		
	29/04	conflict management		
	4/05	and disciplayment mang.		
	05/05	case one power & politics		
	06/05	Case studies difficulty		

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Name of Faculty: PAK/MMN **Year: 2021-22** **Section: HR**

Subject Name: CLM **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	08/03	Leadership components & myths		
2	04/03	Leadership styles & theories		
3	05/03	Leadership. Situation & followers		
4	10/03	Diff contemporary & modern approach		
5	11/03	Traits & leadership		
6	12/03	Leadership effectiveness		
7	17/03	Revision		
8)	06/03	Leadership - intro, Concept		
9	13/03	Groups, Terms & their leadership		
10	20/03	leadership Model & biographies		
11	26/03	Leadership skills - building req Competency		
12	02/04	Competency Model		
13	09/04	Group, Terms & their leadership		
14	23/04	leadership & change		
15	30/04	All Indian business leaders - Henry P.		
16	07/05	Victor, Tarun, bill gates, J.R.D. Tata.		

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Name of Faculty: MMN **Year: 2021-22** **Section: HR**

Subject Name: ODIS **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	07/03/22	OD Evaluation & Ethics of OD profession		
	08/03	Future of OD & org effectiveness.		
	09/03	objectives & nature & needs		
	14/03	Case Lets & Case Study		
	15/03	org change - Concept & obj, Nature		
	16/03	Types of org Models & implimentation		
	23/03	Change strategies, change Agent		
	28/03	Case Lets		
	29/03	org^n intervention - Major OD interv^n		
	30/03	Teabg, Desig intv^n & interpersonal interv^n		
	04/04	Inter-Group intv^n		
	05/04	OD Strategy & team intervention.		
	06/04	org^n development & I Activities		
	11/04	Induction & orientation pgm Design		
	12/04	org^n effectiveness		
	20/04	Team intervention		
	25/04	OD Techniques		
	26/04	Case Lets		
	27/04	Case Studies.		
	02/05	Major OD intervention		
	03/05	other intervention		
	09/05	Inter group & Intra. intervention		
	10/05	org^n intervention - Case. Lets.		
	11/05	Case Studies		

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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Management Studies (M.B.A.)
(Even Semester 2021-2022)
Execution Plan

Name of Faculty: PAK **Year: 2021-22** **Section: HR**

Subject Name: KM **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	07/03	UNIT-II - KM & Business Strategy	PAK	
2	08/03	Hansen Codification Vs. personalization	PAK	
3	09/03	Earl's School of management	PAK	
4	14/03	Alvesson and Karreman KM approach	PAK	
5	15/03	KM perspectives & Application	PAK	
6	16/03	KM process	PAK	
	21/03	Advantages of KM	PAK	
	22/03	Knowledge Creation	PAK	
	23/03	Forgetting process	PAK	
	24/03	Case study	PAK	
	28/03	Loss & innovation	PAK	
	29/03	Personality & ICM	PAK	
	30/3	Power politics & KM	PAK	
	4/4	conflict management & KM	PAK	
	5/4	Community of practices	PAK	
	6/4	COP	PAK	
	12/4	Advantages of COP	PAK	
	20/4	Balanced Scorecard	PAK	

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Department of Management Studies (M.B.A.)
(Even Semester 2021-2022)
Execution Plan

Name of Faculty: YRV **Year: 2021-22** **Section: HR**

Subject Name: IHRM **Semester: IV** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	10/3	Barriers in IHRM		
2	11/3	Culture, Society Relation		
3	12/3	Cross cultural Theories		
4	19/3	Cultural Sensitivity - Global Business		
	20/3	Employee Behaviour & Cross culture		
	25/3	Cross cultural Negotiation		
	26/3	Organizational Culture		
	27/3	Culture & Orgn Performance		
	31/3	International Business & IHRM		
	1/4	IHRM Approaches		
	2/4	Organizing Multinational Structure		
	7/4	IHRM Recruitment		
	8/4	Selection		
	09/4	Training & Development		
	14/4	Performance Appraisal		
	16/4	Compensation Management		
	16/4	Case study on Recruitment		
	21/4	Case study on Compensation		
	22/4	International Project		
	23/4	Organizational Ethics		
	28/4	Ethics Concepts & Dimension		
	29/4	Ethics Across culture		
	30/4	Unethical Practices		
	5/5	Ethics & its Impact on IHRM		
	6/5	Case Study		

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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Management Studies (M.B.A.)
(Odd Semester 2021-2022)
Execution Plan

Name of Faculty: ABK **Year: 2021-22** **Section: A**

Subject Name: PPM **Semester: I** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
	21/2	Introduction Management.		
	22/2	Management function.		
	25/2	planning		
	28/2	organising		
	2/3	Reporting		
	7/3	F.W Taylor. Scientific Mgt.		
	8/3	Henry fayole- Admin. Mgt		
	9/3	peter Drucker- M.B.A.		
	14/3	Maslow Merarchy Theory.		
	15/3	CASE study.		
	16/3	CASE study		
	21/3	Motivation theory.		
	22/3	leadership.		
	23/3	Theories of leadership.		
	28/3	controlling		
	29/3	process of Controlling.		
	30/3	Case study		
	4/4	Revision		

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Department of Management Studies (M.B.A.)
(Odd Semester 2021-2022)
Execution Plan

Name of Faculty: GDP **Year: 2021-22** **Section:** A

Subject Name: ME **Semester:** I **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
		Course features - II		
1)	21/02	Demand analysis		
2)	22/02	Numericals on demand est.		
3)	25/02	— " — on demand est.		
4)	28/02	Elasticity of demand		
5)	01/03	Numericals on - Ep		
6)	04/03	Numericals on Ei		
7)	07/03	Numericals on Ec		
8)	08/03	production function		
9)	14/03	Short run, long run prod.		
10)	15/03	Isoquants and isocost.		
11)	16/03	Law of variable proportion		
12)	21/03	Cost theory		
13)	22/03	Revenue - Concepts		
14)	23/03	Theory of firm		
15)	28/03	profit maximization		
16)	29/03	sales maximization		
17)	01/04	Numericals		
18)	04/04	market competitions		
19)	06/04	price and output determination		

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Department of Management Studies (M.B.A.)
(Odd Semester 2021-2022)
Execution Plan

Name of Faculty: VRV **Year: 2021-22** **Section: A**

Subject Name: MSP **Semester: I** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
15	21/2	Dos & Donts of Business Writing		
16	23/2	Business Correspondance		
17	28/2	Report Writing		
18	2/3	Resume / CV Writing.		
19	8/03	Case study		
20	9/3	Listening skills		
21	14/3	Body Language		
22	15/3	Public Speaking		
23	16/3	Negotiation skills		
24	22/3	Interview Techniques – I		
25	23/3	Interview Techniques – II		
26	28/3	Presentation Skills		
27	29/3	Meeting		
28	30/3	Case Analysis		
29	4/4	Brain storming		
30	5/4	Paper Writing		
31	6/4	Paper Presentation		
32	11/4	Case study Unit I		
33	12/4	Case Study Unit II		
34	13/4	Case study Unit III		
35	18/4	Case study Unit IV		
36	19/4	Case study Unit V		
37	20/4			
	*	First 14 lectures were conducted online.		

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Department of Management Studies (M.B.A.)
(Odd Semester 2021-2022)
Execution Plan

Name of Faculty: ~~ASK~~ GSK **Year: 2021-22** **Section: A**

Subject Name: AFM **Semester: I** **Subject Code:**

Sr. No	Date 2022	Topics Covered	Sign. of Faculty	Sign. of HOD
	03/03	U2:- comparitive financial statement Balance sheet		
	04/03	U2 - Comparitive Income Statement		
	05/03	U2:- common size Income Statement		
	10/03	U2:- common size Balance sheet		
	11/03	U3:- Depn. concept of depn., objective, Determinants of depn. example.		
	12/03	U3 :- example (Numerical) Soln. discussion		
	17/03	U3 :- Practice Numerical on depn? different methods		
	18/03	- Holiday- "Holi		
	19/03	Numericals on - straight line Method.		
	24/03	Numericals on - diminishing balance Method		
	25/03	U3:- Inventory valuation Method. specific Identification method		
(2) times	26/03	U3:- FIFO Method		
	26/03	U3 :- LIFO Method, WACM		
	30/03	U4:- Budget, concept importance & limitation		
	31/03	U4:- Budgetory control, Advantages, Types of Budget		
	01/04	U4:- Numerical Soln. on cash Budget		
	07/04	Budget & Budgetory control		
	08/04	——— 11 ———		
	09/04	performance Budgeting		
	16/04	zero based Budgeting		
	21/04	~~zero~~ cost sheet - introduction		
	22/04	advantages, scope, disadvantage		
	23/04	costing for decision making		
	28/04	Relevant costing		
	29/04	marginal costing		
	30/04	marginal costing		
	05/04	Absorption costing		

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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Management Studies (M.B.A.)
(Odd Semester 2021-2022)
Execution Plan

Name of Faculty: MMN **Year: 2021-22** **Section:** A

Subject Name: OBE **Semester:** I **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	24/02/22	Group behaviour & many intergrp		
2	25/02/22	Case let's on group		
3	26/02/22	org^n change concept & Need		
4	03/03/22	org^n change process.		
5	04/03/22	Resons for Resistance to change		
6	05/03/22	Mesures to overcome Resit^m to chg		
7	10/03/22	Change Agent & Case Let's		
8	11/03/22	org^n processes - org^n power		
9	12/03/22	org^n politices - Coppt & objective		
10	17/03/22	Org^n types of power		
11	19/03/22	employee empowerment		
12	24/03	& powerless meaning		
13	25/03	Stges of Conflict Mengement		
14	26/03/22	Case & conflict		
15	30/03/22	org^n effectiveness		
16	31/03/22	Corporate Governance & Gender issue		
17	01/04/22	Creativity & innovation		
18	06/04/22	Innovation proces		
19	07/04/22	steps is involved in innovation		
20	08/04/22	Men & female issues		
21	23/04	Govt Act & Rules, Regulation		
22	14/04	Case lets		
23	16/04	Case Studies.		
24	18/04	org^n - grievness		
25	19/04	Problem handling.		

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Department of Management Studies (M.B.A.)
(Odd Semester 2021-2022)
Execution Plan

Name of Faculty: ARKD **Year: 2021-22** **Section:** A

Subject Name: BE **Semester:** I **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	28/2	Indian management Principles	Ram	
2	02/3	Model & Theory of karma	Ram	
3	07/3	Theory & practises of Holistic mgt	Ram	
4	08/3	Relevance of Holistic mgt	Ram	
5	09/3	Case study - Theory & karma	Ram	
6	14/3	Ethics Defn, meaning	Ram	
7	15/3	objectives & sources of Ethics	Ram	
8	16/3	Ethical dilemma	Ram	
9	21/3	Code of Ethics	Ram	
10	22/3	Normative Ethics in mgt	Ram	
11	23/3	Moral & Ethics in Global change	Ram	
12	28/3	Behavioural aspects of Ethics & values	Ram	
13	29/3	caselet	Ram	
14	30/3	Indian values in mgt	Ram	
15	05/4	Spiritual & secular values in mgt	Ram	
16	5/4	Science & Human values	Ram	
17	6/4	lessons from ancient Indian education	Ram	
18	11/4	caselet - Gurukul system	Ram	
19	12/4	Stress management	Ram	
20	13/4	Eustress & distress	Ram	
21	18/4	Indian perspective of stress mgt	Ram	
22	19/4	Reasons for stress at workplace	Ram	
23	20/4	Coping with a stress	Ram	

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Department of Management Studies (M.B.A.)
(Odd Semester 2021-2022)
Execution Plan

Name of Faculty: SBD **Year: 2021-22** **Section: A**

Subject Name: MIS **Semester: I** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
		First 16 lectures conducted online S		
17	24/02	Implementation of MIS		
18	25/02	SD Models		
19	10/03	Quality in MIS		
20	11/03	Life Cycle - MIS		
21	12/03	Decision support System		
22	17/03	Herbert Simon Model		
23	19/03	Constructing DSS		
24	24/03	Executive Information System		
25	31/03	Enterprise Mangement System		
26	1/04	ERP & BPR		

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Department of Management Studies (M.B.A.)
(Odd Semester 2021-2022)
Execution Plan

Name of Faculty: KSB **Year: 2021-22** **Section: A**

Subject Name: QM **Semester: I** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1)	24-2-22	Harmonic progression & their application		
2)	25-2-22	Matrices. Determinants & application		
3)	26-2-22	Frequency Distribution & analysis		
4)	10-3-22	Measures of central tendency		
5)	11-3-22	Measures of Dispersion.		
6)	12-3-22	Correlation & coefficient		
7)	17-3-22	Regression analysis		
8)	19-3-22	Simple linear Regression		
9)	24-3-22	Estimating linear regression		
10)	25-3-22	standard deviation		
11)	26-3-22	Linear programming & graphical sol"		
12)	31-3-22	Probability & percentage		
13)	1-4-22	Numericals on Ratio & proportion		
14)	4-4-22	Linear Programming.		
15)	8-4-22	Graphical solution method		
16)	9-4-22	Probability theory		
17)	16-4-22	Bi-nomial poisson & normal		
18)	21-4-22	Types of probability		

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Department of Management Studies (M.B.A.)
(Odd Semester 2021-2022)
Execution Plan

Name of Faculty: GSK **Year: 2021-22** **Section:** B

Subject Name: PPM **Semester:** I **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
	28/02	U2:- Planning:- Importance of planning, process, types of plans,		
	01/03	U2:- types of premises, decision making		
	02/03	U3:- Organising, definition, nature purpose of organising		
	07/03	U3:- Importance of organising func		
	08/03	U3:- principles of organising func		
	09/03	U3:- " " 14 principles		
	14/03	U3:- case study		
	15/03	U3:- Delegation of Authority		
	21/03	U3 - Departmentation -		
	22/03	U3 - - case study		
	28/03	U3 - Span of Management → Types		
	29/03	U3 - Committes, Service dept.		
	30/03	U3 - line & staff relationship		
	04/04	centralisation Vs. Decentralisation		
	05/04	Delegation of Authority		
	06/04	U4:- Directing, motivation		

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(Odd Semester 2021-2022)
Execution Plan

Name of Faculty: PAK **Year: 2021-22** **Section:** B

Subject Name: ME **Semester:** I **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	21/02/22	Introduction to prodution theory	PAK	
2	22/02	Production function & Cost function	PAK	
3	28/02	Short Run production Law & v. proportion	PAK	
4	7/03	Short Run Cost Behaviour	PAK	
5	8/03	Numericals on short Run production	PAK	
6	14/3	Long Run - Isoquants	PAK	
7	15/3	Isocost, Expansion path	PAK	
8	16/3	Economies & Diseconomies of scale	PAK	
9	21/3	Problems	PAK	
10	22/3	Theories of Firm	PAK	
11	23/3	Profit maximization	PAK	
12	28/3	Sales maximization	PAK	
13	29/3	Market conditions	PAK	
14	30/3	Simon & Williamson	PAK	
15	4/04	Numericals	PAK	
16	05/04	Numericals	PAK	
17	6/04	Numericals	PAK	

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Execution Plan

Name of Faculty: RAK **Year: 2021-22** **Section: B**

Subject Name: AFM **Semester: I** **Subject Code:**

Online Session taken for I & II unit

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	10. March	Balance Sheet - Unit II.	R.K	
2	11/03.	Introduction - Depreciation	R.K	
3	12/03.	U3 → Depreciation Numerical	R.K	
4	15/03.	Balance sheet. - Solving	R.K	
5	24/03	U-3 Methods of Depreciation	R.K	
6	25/03	U-3 Numericals on Depreciation	R.K	
7	26/03.	Inventory Mangement :- Theory.	R.K	
8	30/3	Numericals on I.M	R.K	
9	31/3	Unit 4 :- Mgnt Theory & Cash budget	R.K	
10	1/4	U4 → Flexible budget.	R.K	
11	6/4	Unit 5 :- Cost Accounting → theory	R.K	
12	11/4	Unit 5 :- -11- Numericals.	R.K	
13	(2 hours)			

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Department of Management Studies (M.B.A.)
(Odd Semester 2021-2022)
Execution Plan

Name of Faculty: R. K. Dhanuka **Year: 2021-22** **Section: B**

Subject Name: OBE **Semester: I** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	24/2	Group behaviour & managing intergroup	Ram	
2	25/2	Caselet	Ram	
3	26/2	Organisation change Concept & need	Ram	
4	3/3	organisational change process	Ram	
5	4/3	Reasons to Resistance to change	Ram	
6	5/3	measures to overcome, Resistance to change	Ram	
7	10/3	Change agent & caselets	Ram	
8	11/3	organisational processes, organi power	Ram	
9	12/3	organisational politics	Ram	
10	17/3	organisation types & power	Ram	
11	19/3	Employee empowerment	Ram	
12	24/3	Stages of conflict management	Ram	
13	25/3	Case ~~Conflict~~ Conflicts	Ram	
14	26/3	organisational effectiveness	Ram	
15	31/3	Corporate governance, Gender Issues	Ram	
16	01/04	Creativity & Innovation	Ram	
17	07/4	Innovation process	Ram	
18	8/4	Steps involved in innovation	Ram	
19	9/4	Men & female Issues	Ram	
20	16/4	Govt Act & Rules Regulation	Ram	
21	21/4	Caselet		

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Execution Plan

Name of Faculty: A. E. K **Year:** 2021-22 **Section:** B

Subject Name: Business Ethics. **Semester:** **Subject Code:**

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
	24/2	Ethics Importance.		
	24/2	corporate Governance.		
	25/2	principle of ethics		
	9/3	Ethical Action.		
	10/3	CASE study - Theory Karma		
	11/3	Ethical dilemma		
	12/3	Normative Ethics		
	24/3	Behavioral Ethics.		
	25/3	Indian values in Mgt.		
	30/3	science & Human values		
	31/3	Stress Management—		
	1/4	Eustress & distress.		
	3/4	Indian perspective of Ethics in Mgt.		
	5/4	Case study		
	6/4	Deviations		

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Department of Management Studies (M.B.A.)
(Odd Semester 2021-2022)
Execution Plan

Name of Faculty: KSB **Year: 2021-22** **Section: B**

Subject Name: MIS **Semester: I** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	24-2-22	Decision making Process, stages in DCT		
2	25-2-22	Individual Decision Making.		
3	26-2-22	Organizational Decision Making		
4	10-3-22	Decision making model		
5	11-3-22	Information system support for D.C.		
6	12-3-22	Group Decision Making,		
7	17-3-22	DSS - Concept, Constructing a DSS.		
8	19-3-22	EIS and AIS		
9	24-3-22	KBES and ECTS, DSCTS.		
10	25-3-22	Enterprise Resource planning.		
11	26-3-22	ERP and CTIS		
12	31-3-22	Bussiness Process Re-engineering		
13	1-4-22	BPR and CTIS		
	7-4-22	Case study		
	8-4-22	previous year paper		
	9-4-22	Case lute		

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(Odd Semester 2021-2022)
Execution Plan

Name of Faculty: KSB **Year: 2021-22** **Section: B**

Subject Name: QM **Semester: I** **Subject Code:**

Sr. No	Date	Topics Covered	Sign. of Faculty	Sign. of HOD
1	21-2-22	Harmonic Progression & their application		
2	22-2-22	Matrices.		
3	23-2-22	Determinats of matrices		
4	28-2-22	Add, sub & multiplication of matrices		
5	2-3-22	Frequency Distribution		
6)	7-3-22	F.D. analysis.		
7)	8-3-22	Measures of central tendency		
8)	9-3-22	Measures of Dispersion.		
9)	14-3-22	Correlation.		
10)	15-3-22	Correlation Coefficient		
11)	16-3-22	Time series analysis.		
12	21-3-22	Regression analysis.		
13	22-3-22	Simple linear Regression		
14	23-3-22	Estimating linear regration.		
15	28-3-22	standard deviation		
16	29-3-22	Linear programming.		
17	30-3-22	Graphical solation method.		
18	4-4-22	probability		
19	5-4-22	percentage.		
20	6-4-22	numericals on ratio & proportions		

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P. G. Department of Computer Applications

(Odd Semester W: 2021)

Session/Teaching Plan+Execution of plan

Name of Faculty: Rupali Sherekar **Year: I** **Sem: I**

Subject Name: Lab1- Object Oriented Programming in JAVA **Subject Code: MCA20107**

Sr. No	Unit No.	Topics to be Covered	Month	Week	Conduction Date (2022)
1	Unit I	Java Basics, Data types and Variables, Operators, Control structures	January	Week1	3|01
2		implementing concepts of OOPs using Java. , classes, declaring objects.			04|01
3		Packages..access control, Inheritance, Polymorphism,		Week2	06|01
4		Abstract classes, Interfaces,			10|01
5		Arrays: Basics, One - & Multi- dimensional.		Week3	15|01
6		Examples			17|01
7		Examples			18|01
8	Unit II	Exception handling: Built-in ,Using try and catch,		Week4	24|01
9		multiple catch clauses, throw,	February	Week1	25|01
10		throws, finally clauses,			31|01
11		checked and unchecked Exceptions,		Week2	01|02
12		Multithreaded programming: Java thread model,			08|02
13		creating threads,		Week3	18|02
14		Methods of Thread class			18|02
15		thread priorities		Week4	21|02
16		synchronization.			22|02
17	Unit III	Java I/O: Stream classes, Byte Stream & Character Streams, Predefined streams,BufferedInputStream	March	Week1	08|03
18		Input stream, Output stream, FileInputstream,			9|03
19		FileOutputstream		Week 2	14|03
20		Character stream			15|03
21		Generic Programming:Introduction		Week 3	21|03
22		generic classes, Bounded types			22|03
23		generic methods, Wildcards, Comparator			23|03
24	Unit III	Java Collections Framework: Introduction, Collections Framework hierarchy, List,		Week 4	24|03
25		Queue, Set,			25|03
26		Map Interface and their implementing classes and methods,		Week 5	26|03
27		Iterator/ListIterator, Utility classes :Arrays, Collection		Week 1	26|03

28		Introduction To Swing: Hierarchy Of Java Swing Classes,			28/03
29		Swing GUI Components, Related Packages,		Week 2	29/03
30		Swing Control Classes & Methods,			30/03
31		Handling Events in Swing GUI			31/03
32		Handling Events in Swing GUI		Week 3	31/03
33		Handling Events in Swing GUI	April		1/04
34		Examples		Week 4	04/04
35		Examples		Extra	05/04

Faculty Incharge

P.G. department of Computer Applications
Practical Execution Plan for Java Programming Lab MCA Year II Sem II Winter 2018
Faculty : Rupali Sherekar

Sr. No	Name of Program	Execution Date		
		B1	B2	B3
1	Write Java applications to print the given patterns a. 10101 0101 101 01 1 b. 1 2 3 2 3 4 5 4 3 4 5 6 7 6 5 4 5 6 7 8 9 8 7 6 5	22/12/2021	22/12	22/12
2	WAP that predicts your fortune based on your birthdate.	12/01	12/01	12/01
3	Write a java program with a method,int solution(int M, int N, int A[M][N], int C[M]) that accepts a number of disks M, numbers on each disk N, numbers on each M and combination to unlock C. The function should calculate the total number of minimum moves required to open padlock with a given combination code.	18/01	18/01	18/01
4	Write a program that accepts integer input and convert the given integer number to Binary or Hexadecimal. The program should accept command line arguments too. If 0 is passed from the command line then convert the given integer number to binary and if 1 is passed from the command line then convert the given integer to hexadecimal. Command Line Input: 1 Input : 90 Output: 5A Here, 1 is passed from the command line and 90 is given as input to the program. Since command line input is 1, the given number 90 is converted to hexadecimal 5A	02/02	02/02	02/02
5	Write an application in Java which reads a string from user as a command line argument and checks the string for vowels and prints the string without the vowels. Ex:Input: **Program** Output: **Prgrm.** ***Note:Use your name as input***	17/02	17/02	17/02
6	WAP that has a class with overloaded member functions(**add**). One add takes double arguments and the other takes int arguments. The **add** member function should **display all the arguments** it takes and also **display their sum** Run the program by providing different number of arguments(NOTE: **use varargs**). Run the program atleast 10 times with different number of arguments and take 10 outputs.	24/02	24/02	24/02
7	Create an abstract class Figure3d with a data member dim1 and an abstract function vol(). Create 2 classes sphere and cylinder and that inherit Figure3d. These classes should implement the vol() function. Add this program to a package. Execute it from within and outside the package. .(Hint: Volume of sphere=4/3*pi*r*r*r, volume of cylinder=pi*r*r*h).	03/03	03/03	03/03
8	WAP in java that creates an interface figure2d with member function area(). Write two classes named "rectangle" and "triangle" that implement the above interface and display area of the figure.	8/03	10/03	03/03
9	Write a program in java that generates two sets of 10 random numbers and divides a number from one set with one from another set. Anticipate the kind of exception that will be generated and catch it.	15/03	25/03	24/03
10	WAP in java that takes your birth date as input from the command line. Check if the date is valid. If yes, check if it is less than **today's date.** If not generate an exception created by you, with a message that **birthdate should be less than todays date.** If proper date is entered display the age.	22/03	25/03	24/03
11	WAP in java that creates two threads , sets their priorities(high and low) and shows the number of cpu cycles alloted to each thread.	29/03	home	

Prof. Ram Meghe Institute of Technology & Research Badnera

Department of Master in Computer Application

Odd Semester AY:2021-2022 (Winter 21)

MCA I Year Semester I

Execution Plan

Name of Faculty: N.D.Bobade

Subject Name: Deta Structure & Algoritham

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	21/12/2021	Data structures basics	N.D.Bobade	
2	22/12/2021	Data structure opearations and types	N.D.Bobade	
3	23/12/2021	Linear arrays and their representation in memory, traversing linear arrays,	N.D.Bobade	
4	24/12/2021	inserting,deletion operations,	N.D.Bobade	
5	27/12/2021	Arrays	N.D.Bobade	
6	28/12/2021	Multidimensional arrays, Pointer arrays.	N.D.Bobade	
7	29/12/2021	Bubble sort	N.D.Bobade	
8	31//12/2021	Linear search	N.D.Bobade	
9	5/1/2022	Binary search algorithms.	N.D.Bobade	
10	7/1/2022	Matrix operations	N.D.Bobade	
11	10/1/2022	Programs for matrix operations	N.D.Bobade	
12	11/1/2022	Sparse matrices	N.D.Bobade	
13	12/01/2022	Introduction to linked list,representation of linked list in memory Traversing	N.D.Bobade	
14	17/01/2022	Searching into a linked list, Garbage Collection and Inserting into a linked list, Inserting after a given node	N.D.Bobade	
15	18/01/2022	Inserting a node into a sorted linked list	N.D.Bobade	
16	21/01/2022	Stack,representation of stack in memory,push pop operation	N.D.Bobade	
17	24/01/2022	Deleting a node from linked list	N.D.Bobade	
18	25/01/2022	Deleting a node following a given node	N.D.Bobade	
19	28/01/22	Header Linked list,circular linked list Traversing ,searching ,Inserting and deleting from circular and header linked list	N.D.Bobade	
20	31/01/22	Two way linked list ,Inserting and deleting from two way linked list	N.D.Bobade	
21	01/02/22	Evaluation of postfix expression ,Transforming infix into postfix expression	N.D.Bobade	
22	02/02/22	Recursion factorial and fibonacci	N.D.Bobade	
23	03/02/2022	Towers of Hanoi	N.D.Bobade	
24	08/02/22	Queue,Representation of queue in memory	N.D.Bobade	

	09/02/22	Insert & delete operations on queue	N.D.Bobade	
26	11/02/22	Deque,Priority queue and its link and array representation	N.D.Bobade	
27	12/02/22	Introduction to trees	N.D.Bobade	
28	14/02/22	Representation tree in memory	N.D.Bobade	
29	15/02/22	traversal techniques	N.D.Bobade	
30	16/02/22	preorder algorithm	N.D.Bobade	
31	18/02/22	Inorder algorithm	N.D.Bobade	
32	22/02/22	postorder algorithm	N.D.Bobade	
33	23/02/22	Revision on traversal techniques	N.D.Bobade	
34	25/02/22	header node Threads Inorder Threading	N.D.Bobade	
35	26/02/22	Binary search Tree	N.D.Bobade	
36	04/03/22	Searching in Binary search tree	N.D.Bobade	
37	08/03/2022	heap and heapsort	N.D.Bobade	
38	09/03/2022	path length & Huffman's Algorithm ,General Trees	N.D.Bobade	
39	11/03/2022	Pattern Matching Algorithm	N.D.Bobade	
40	14/03/2022	complexity of Algorithm	N.D.Bobade	
41	22/03/2022	Graph Notations ,Repreesentation of graph in memory	N.D.Bobade	
42	23/03/2022	traversing graph: depth first search	N.D.Bobade	
43	25/03/2022	Breadth First Search	N.D.Bobade	
44	29/03/2022	Insertion sort	N.D.Bobade	
45	04/04/2022	Selection sort	N.D.Bobade	
46	05/04/2022	Radix sort	N.D.Bobade	

N D Bobade

Signature of in-charge Faculty

Prof. Ram Meghe Institute of Technology & Research Badnera

Department of Master in Computer Application

Odd Semester AY:2021-2022 (Winter 21)

MCA I Year Semester I

Execution Plan

Name of Faculty: N.D.Bobade

Subject Name: Deta Structure & Algoritham

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	30/12/2021	Pract 1 Insert and Delete element from array	N.D.Bobade	
2	6/1/2022	Pract 2 Linear Search Program	N.D.Bobade	
3	13/1/2022	Pract 2Binary Search Program	N.D.Bobade	
4	20/1/2022	WAP to check whether 2 dimensional array stored by compiler in row major or column major order	N.D.Bobade	
5	27/1/2022	WAP to sort array using Bubble sort WAP to to implement Stack using array	N.D.Bobade	
6	03/02/2022	Write a program in C++ for implementing a linked list using pointers	N.D.Bobade	
7	10/02/2022	Write a recursive program in C++ a. to generate nth number of fibinacci series b. to find the factorial of a number.	N.D.Bobade	
8	15/02/2022	Write a recursive program in C++ for solving the Tower of Hanoi Problem	N.D.Bobade	
9	15/02/22	Write a program in C++ for implementing a stack using linked list and pointers.	N.D.Bobade	
10	22/02/22	Write a program in C++ for evaluation of a postfix expression.	N.D.Bobade	
11	7/3/22	Write a program in C++ for implementing a queue using array.	N.D.Bobade	
12	12/03/2022	Write a program in C++ for Insertion sort .	N.D.Bobade	
13	16/03/2022 b1 14/03/2022 b2 22/03/2022 b3	Write a program in C++ for Selection sort .	N.D.Bobade	
14	26/03/2022 b1 28/03/2022 b2 29/03/2022 b3	Write a program in C++ to implement the first pattern matching Algorithm.	N.D.Bobade	

N D Bobade

Signature of in-charge Faculty

Department of Master in Computer Application

Odd Semester AY:2021-2022 (Winter 21)

MCA I Year Semester I

Execution Plan

Name of Faculty: Prof. V. A. Sinha

Subject Name: operating System

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	21/12/2021	Introduction :Operating System (OS) definition	V. A. Sinha	
2	23/12/2021	OS Evolution, OS Components	V. A. Sinha	
3	27/12/2021	OS Services	V. A. Sinha	
4	28/12/2021	Process Concept, Process Scheduling	V. A. Sinha	
5	30/12/2021	Operations on Processes	V. A. Sinha	
6	01/01/2022	Cooperating Processes, Interprocess Communication	V. A. Sinha	
7	03/01/2022	Threads Overview, Multi-threading Models	V. A. Sinha	
8	04/01/2022	Threading Issues, Java Threads	V. A. Sinha	
9	06/01/2022	CPU Scheduling Concepts,	V. A. Sinha	
10	08/01/2022	Scheduling Criteria and Algorithms	V. A. Sinha	
11	10/01/2022	Process Synchronization	V. A. Sinha	
12	11/01/2022	The Critical-Section Problem,	V. A. Sinha	
13	13/01/2022	Synchronization Hardware	V. A. Sinha	
14	15/01/2022	Semaphores, Monitors	V. A. Sinha	
15	17/01/2022	Deadlocks: Definition & Characterization	V. A. Sinha	
16	18/01/2022	Deadlocks Prevention	V. A. Sinha	
17	20/01/2022	Avoidance, Detection of deadlocks	V. A. Sinha	
18	22/01/2022	Recovery from Deadlock	V. A. Sinha	
19	29/01/2022	Memory Management Background	V. A. Sinha	

20	01/02/2022	Swapping, Contiguous Memory Allocation	V. A. Sinha	
21	02/02/2022	Operating system and Network Security	V. A. Sinha	
22	03/02/2022	Paging and segmentation	V. A. Sinha	
23	05/02/2022	Background, Demand Paging scheme	V. A. Sinha	
24	07/02/2022	Process Creation.	V. A. Sinha	
25	10/02/2022	Page Replacement Policies,	V. A. Sinha	
26	12/02/2022	Allocation of Frames	V. A. Sinha	
27	15/02/2022	Thrashing	V. A. Sinha	
28	17/02/2022	File System Interface	V. A. Sinha	
29	21/02/2022	Directory structure, File-System Mounting	V. A. Sinha	
30	22/02/2022	File Sharing & Protection.	V. A. Sinha	
31	24/02/2022	File system Structure	V. A. Sinha	
32	26/02/2022	File-System Implementation	V. A. Sinha	
33	28/02/2022	Directory Implementation	V. A. Sinha	
34	03/03/2022	Allocation Methods	V. A. Sinha	
35	04/03/2022	Free- Space Management	V. A. Sinha	
36	05/03/2022	File System Mounting	V. A. Sinha	
37	07/03/2022	File Recovery	V. A. Sinha	
38	08/03/2022	File System Mounting	V. A. Sinha	
39	09/03/2022	I/O Systems: Overview.	V. A. Sinha	
40	10/03/2022	I/O Hardware	V. A. Sinha	
41	11/03/2022	Application I/O Interface	V. A. Sinha	
42	12/03/2022	Kernel I/O Subsystem	V. A. Sinha	
43	14/03/2022	Transforming I/O to Hardware Operations	V. A. Sinha	
44	15/03/2022	Disk Scheduling	V. A. Sinha	
45	16/03/2022	Disk Management	V. A. Sinha	
46	18/03/2022	Swap – Space Management ,RAID Structure.	V. A. Sinha	
47	19/03/2022	File protection & security : Goals of Protection	V. A. Sinha	
48	21/03/2022	Principles of Protection. Revocation of Access Rights,	V. A. Sinha	
49	22/03/2022	Security Problem	V. A. Sinha	

50	24/03/2022	Program Threats, Firewalling to Protect Systems	V. A. Sinha	
51	26/03/2022	Implementing Security Defenses	V. A. Sinha	
52	28/03/2022	User Authentication	V. A. Sinha	

Signature of in-charge Faculty

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Master in Computer Application

Odd Semester AY:2021-2022 (Winter 21)

MCA I Year Semester I

Execution Plan

Name of Faculty: Prof. Vinit Sinha

Subject Name: Operating system LAB

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	28/12/2021	Case Study on – Ubuntu Operating system		
2	04/01/2022	Shell script for Calculator using select stament		
3	18/01/2022	Perform a Biodata preparation using VIM editor from terminal		
4	01/02/2022	Shell script to configure Samba File server in Ubuntu		
5	08/02/2022	Write Shell script program to check whether given file is a directory or not.		
6	22/02/2022	Write a shell script program to display list of users currently logged in		
7	08/03/2022	Write a shell script to assign file permission to given file / folder		
8	B1 - 14/03/2022 B2 - 15/03/2022 B3 - 17/03/2022	Write a shell script to display details of running process and threads in system		
9	B1 - 21/03/2022 B2 - 22/03/2022 B3 - 24/03/2022	Write a Shell script to develop a Fibonacci series.		
10	B1 - 28/03/2022 B2 - 29/03/2022 B3 - 31/03/2022	Write a Shell script to find the number of words character, words and lines in a file.		

Signature of in-charge Faculty

Prof. V.A. Sinha →

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Master in Computer Application

Odd Semester AY:2021-2022 (Winter 21)

MCA I Year Semester I

Execution Plan

Name of Faculty: Prof. S. S. Tayade.

Subject Name: Mathematics and Statistical Techniques.

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	20-12-2021	Permutation And combination introduction	S. S. Tayade	
2	21-12-2021	Factorial Notation Defination And problems on Factorial.	S. S. Tayade	
3	22-12-2021	Problems based on Permutation , Combination And Factorial.	S. S. Tayade	
4	23-12-2021	Introduction to Probability	S. S. Tayade	
5	27-12-2021	Problems based on Perobability.	S. S. Tayade	
6	30-12-2021	Explanation to random experiment , sample space and discrete sample space,Events and Their types	S. S. Tayade	
7	03-01-2022	Algebra of events.	S. S. Tayade	
8	05-01-2022	Mutually Exclusive and Exhaustive Events.	S. S. Tayade	
9	06-01-2022	Complementary events.	S. S. Tayade	
10	10-01-2022	Addition theorem conditional probability	S. S. Tayade	
11	11-01-2022	Introduction to Measures of central tendancy, introduction to Mean , Median , Mode	S. S. Tayade	
12	12-01-2022	Problems based on Mean	S. S. Tayade	
13	13-01-2022	Problems based on Median	S. S. Tayade	
14	14-01-2022	Problems Based on Mode	S. S. Tayade	
15	15-01-2022	Introduction to Quartile ,Deciles and percentiles	S. S. Tayade	
16	16-01-2022	Locating median and quartile through ogives	S. S. Tayade	
17	17-01-2022	Histogram to locate mode and mean	S. S. Tayade	
18	18-01-2022	Numerical problems on central tendancy	S. S. Tayade	
19	19-01-2022	Problems based on central tendancy	S. S. Tayade	
20	20-01-2022	Combine problems based on Mean , Median, Mode	S. S. Tayade	
21	24-01-2022	Measures of Dispersion	S. S. Tayade	
22	25-01-2022	Introduction to Range , Quartile Deviation.	S. S. Tayade	
23	27-01-2022	Problems Based on Range And Quartile Deviation	S. S. Tayade	
24	31-01-2022	Introduction to Mean Deviation.	S. S. Tayade	
25	01-02-2022	Problems based on Mean deviation.	S. S. Tayade	

2022/5/31 13:58

65	06-04-2022	numerical problems on Time Series	S. S. Tayade	

Tayade .

Signature of in-charge Faculty

17	B-3 25-04-2022 B-2 27-04-2022 B-1 28-04-2022	program to implemented least square method.	S. S. Tayade	

Tayade .

Signature of in charge Faculty

12	WAP in java to display the use of a.synchronized method b.synchronized block. This program will have to be run without synchronized keyword, with synchronized method and with synchronized block.	29/03	home	home
13	WAP in Java to copy the contents of one file to another without using any looping statements. Read the names of the files from the command line.	29/03	home	home
14	WAP in Java that reads and displays its own contents.	home	home	home
15	WAP in Java that displays the implementation of Generics.	home	home	home

Note: Home assignments were done in tutorial sessions

Gupta

26	02-02-2022	Problems Based On Mean Deviation Using Mean And Median	S. S. Tayade	
27	03-02-2022	Problems Based On Mean Deviation Using Mean And Median	S. S. Tayade	
28	08-02-2022	Repeat topic Introduction to Mean Deviation.	S. S. Tayade	
29	09-02-2022	Repeat practice Problems Based On Mean Deviation Using Mean And Median	S. S. Tayade	
30	10-02-2022	Introduction to functions , constant functions	S. S. Tayade	
31	12-02-2022	Constant Function Defination , Graph, Constant function Equation,Introduction Linear Equation	S. S. Tayade	
32	14-02-2022	Supply Function, suply curve, demand function and types.	S. S. Tayade	
33	15-02-2022	Total Revenue,Average revenue,Marginal revenue	S. S. Tayade	
34	16-02-2022	Introduction to Derivatives, Formulae For derivatives	S. S. Tayade	
35	17-02-2022	Problems based on Derivative	S. S. Tayade	
36	21-02-2022	Introduction to Variance, Formulae For calculating Variance.	S. S. Tayade	
37	22-02-2022	Problems based on Variance	S. S. Tayade	
38	23-02-2022	Co-efficient of Variation,Numerical problems on measures of dispersion	S. S. Tayade	
39	24-02-2022	Problems based on Standard Deviation and Variance	S. S. Tayade	
40	26-02-2022	Scatter Diagram , Explaining the scatter diagram using graph	S. S. Tayade	
41	03-03-2022	Computation of Karl Pearson's Coefficient of corelation.	S. S. Tayade	
42	04-03-2022	Computation of Spearman's Rank Coefficient of corelation.	S. S. Tayade	
43	05-03-2022	Numerical problems on Bivariate Linear Correletion	S. S. Tayade	
44	07-03-2022	Concept of regression line	S. S. Tayade	
45	08-03-2022	Method of least square	S. S. Tayade	
47	09-03-2022	problems based on least square method	S. S. Tayade	
48	10-03-2022	properties of regression coefficient	S. S. Tayade	
49	14-03-2022	Intersection of two regression line	S. S. Tayade	
50	15-03-2022	Numerical problems on Bivariate Linear Correletion	S. S. Tayade	
51	16-03-2022	Introduction to time series	S. S. Tayade	
52	21-03-2022	Definition and uses of time series	S. S. Tayade	
53	22-03-2022	Additive and multiplicative models	S. S. Tayade	
54	23-03-2022	Introduction of Trends	S. S. Tayade	
55	24-03-2022	Methods of Estimating Trend	S. S. Tayade	
56	25-03-2022	Moving average method	S. S. Tayade	
57	26-03-2022	problem based on moving average method	S. S. Tayade	
58	28-03-2022	graphical method	S. S. Tayade	
59	29-03-2022	problem based on graphical method	S. S. Tayade	
60	30-03-2022	Semi-average method	S. S. Tayade	
61	31-03-2022	problem based on semi-average method	S. S. Tayade	
62	01-04-2022	least square method	S. S. Tayade	
[illegible]	[illegible]	[illegible] least square method	S. S. Tayade	
[illegible]	[illegible]	[illegible]	S. S. Tayade	

P. G. Department of Computer Applications

(Odd Semester W: 2021)

Session/Teaching Plan+Execution of plan

Name of Faculty: Rupali Sherekar **Year: I** **Sem: I**

Subject Name: Lab1- Object Oriented Programming in JAVA **Subject Code: MCA20107**

Sr. No	Unit No.	Topics to be Covered	Month	Week	Conduction Date (2022)
1	Unit I	Java Basics, Data types and Variables, Operators, Control structures	January	Week1	3|01
2		implementing concepts of OOPs using Java. , classes, declaring objects.			04|01
3		Packages..access control, Inheritance, Polymorphism,		Week2	06|01
4		Abstract classes, Interfaces,			10|01
5		Arrays: Basics, One - & Multi- dimensional.		Week3	15|01
6		Examples			17|01
7		Examples			18|01
8	Unit II	Exception handling: Built-in ,Using try and catch,		Week4	24|01
9		multiple catch clauses, throw,	February	Week1	25|01
10		throws, finally clauses,			31|01
11		checked and unchecked Exceptions,		Week2	01|02
12		Multithreaded programming: Java thread model,			08|02
13		creating threads,		Week3	18|02
14		Methods of Thread class			18|02
15		thread priorities		Week4	21|02
16		synchronization.			22|02
17	Unit III	Java I/O: Stream classes, Byte Stream & Character Streams, Predefined streams,BufferedInputStream	March	Week1	08|03
18		Input stream, Output stream, FileInputstream,			9|03
19		FileOutputstream		Week 2	14|03
20		Character stream			15|03
21		Generic Programming:Introduction		Week 3	21|03
22		generic classes, Bounded types			22|03
23		generic methods, Wildcards, Comparator			23|03
24	Unit III	Java Collections Framework: Introduction, Collections Framework hierarchy, List,		Week 4	24|03
25		Queue, Set,			25|03
26		Map Interface and their implementing classes and methods,		Week 5	26|03
27		Iterator/ListIterator, Utility classes :Arrays, Collection		Week 1	26|03

28		Introduction To Swing: Hierarchy Of Java Swing Classes,			28/03
29		Swing GUI Components, Related Packages,		Week 2	29/03
30		Swing Control Classes & Methods,			30/03
31		Handling Events in Swing GUI			31/03
32		Handling Events in Swing GUI		Week 3	31/03
33		Handling Events in Swing GUI	April		1/04
34		Examples		Week 4	04/04
35		Examples		Extra	05/04

Faculty Incharge

P.G. department of Computer Applications
Practical Execution Plan for Java Programming Lab MCA Year II Sem II Winter 2018
Faculty : Rupali Sherekar

Sr. No	Name of Program	Execution Date		
		B1	B2	B3
1	Write Java applications to print the given patterns a. 10101 0101 101 01 1 b. 1 2 3 2 3 4 5 4 3 4 5 6 7 6 5 4 5 6 7 8 9 8 7 6 5	22/12/2021	22/12	22/12
2	WAP that predicts your fortune based on your birthdate.	12/01	12/01	12/01
3	Write a java program with a method,int solution(int M, int N, int A[M][N], int C[M]) that accepts a number of disks M, numbers on each disk N, numbers on each M and combination to unlock C. The function should calculate the total number of minimum moves required to open padlock with a given combination code.	18/01	18/01	18/01
4	Write a program that accepts integer input and convert the given integer number to Binary or Hexadecimal. The program should accept command line arguments too. If 0 is passed from the command line then convert the given integer number to binary and if 1 is passed from the command line then convert the given integer to hexadecimal. Command Line Input: 1 Input : 90 Output: 5A Here, 1 is passed from the command line and 90 is given as input to the program. Since command line input is 1, the given number 90 is converted to hexadecimal 5A	02/02	02/02	02/02
5	Write an application in Java which reads a string from user as a command line argument and checks the string for vowels and prints the string without the vowels. Ex:Input: **Program** Output: **Prgrm.** ***Note:Use your name as input***	17/02	17/02	17/02
6	WAP that has a class with overloaded member functions(**add**). One add takes double arguments and the other takes int arguments. The **add** member function should **display all the arguments** it takes and also **display their sum** Run the program by providing different number of arguments(NOTE: **use varargs**). Run the program atleast 10 times with different number of arguments and take 10 outputs.	24/02	24/02	24/02
7	Create an abstract class Figure3d with a data member dim1 and an abstract function vol(). Create 2 classes sphere and cylinder and that inherit Figure3d. These classes should implement the vol() function. Add this program to a package. Execute it from within and outside the package. .(Hint: Volume of sphere=4/3*pi*r*r*r, volume of cylinder=pi*r*r*h).	03/03	03/03	03/03
8	WAP in java that creates an interface figure2d with member function area(). Write two classes named "rectangle" and "triangle" that implement the above interface and display area of the figure.	8/03	10/03	03/03
9	Write a program in java that generates two sets of 10 random numbers and divides a number from one set with one from another set. Anticipate the kind of exception that will be generated and catch it.	15/03	25/03	24/03
10	WAP in java that takes your birth date as input from the command line. Check if the date is valid. If yes, check if it is less than **today's date.** If not generate an exception created by you, with a message that **birthdate should be less than todays date.** If proper date is entered display the age.	22/03	25/03	24/03
11	WAP in java that creates two threads , sets their priorities(high and low) and shows the number of cpu cycles alloted to each thread.	29/03	home	

12	WAP in java to display the use of a.synchronized method b.synchronized block. This program will have to be run without synchronized keyword, with synchronized method and with synchronized block.	29/03	home	home
13	WAP in Java to copy the contents of one file to another without using any looping statements. Read the names of the files from the command line.	29/03	home	home
14	WAP in Java that reads and displays its own contents.	home	home	home
15	WAP in Java that displays the implementation of Generics.	home	home	home

Note: Home assignments were done in tutorial sessions

Gupta

Prof. Ram Meghe Institute of Technology & Research Badnera

Department of Master in Computer Application

Odd Semester AY:2021-2022 (Winter 21)

MCA I Year Semester I

Execution Plan

Name of Faculty: N.D.Bobade

Subject Name: Deta Structure & Algoritham

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	21/12/2021	Data structures basics	N.D.Bobade	
2	22/12/2021	Data structure opearations and types	N.D.Bobade	
3	23/12/2021	Linear arrays and their representation in memory, traversing linear arrays,	N.D.Bobade	
4	24/12/2021	inserting,deletion operations,	N.D.Bobade	
5	27/12/2021	Arrays	N.D.Bobade	
6	28/12/2021	Multidimensional arrays, Pointer arrays.	N.D.Bobade	
7	29/12/2021	Bubble sort	N.D.Bobade	
8	31//12/2021	Linear search	N.D.Bobade	
9	5/1/2022	Binary search algorithms.	N.D.Bobade	
10	7/1/2022	Matrix operations	N.D.Bobade	
11	10/1/2022	Programs for matrix operations	N.D.Bobade	
12	11/1/2022	Sparse matrices	N.D.Bobade	
13	12/01/2022	Introduction to linked list,representation of linked list in memory Traversing	N.D.Bobade	
14	17/01/2022	Searching into a linked list, Garbage Collection and Inserting into a linked list, Inserting after a given node	N.D.Bobade	
15	18/01/2022	Inserting a node into a sorted linked list	N.D.Bobade	
16	21/01/2022	Stack,representation of stack in memory,push pop operation	N.D.Bobade	
17	24/01/2022	Deleting a node from linked list	N.D.Bobade	
18	25/01/2022	Deleting a node following a given node	N.D.Bobade	
19	28/01/22	Header Linked list,circular linked list Traversing ,searching ,Inserting and deleting from circular and header linked list	N.D.Bobade	
20	31/01/22	Two way linked list ,Inserting and deleting from two way linked list	N.D.Bobade	
21	01/02/22	Evaluation of postfix expression ,Transforming infix into postfix expression	N.D.Bobade	
22	02/02/22	Recursion factorial and fibonacci	N.D.Bobade	
23	03/02/2022	Towers of Hanoi	N.D.Bobade	
24	08/02/22	Queue,Representation of queue in memory	N.D.Bobade	

	09/02/22	Insert & delete operations on queue	N.D.Bobade	
26	11/02/22	Deque,Priority queue and its link and array representation	N.D.Bobade	
27	12/02/22	Introduction to trees	N.D.Bobade	
28	14/02/22	Representation tree in memory	N.D.Bobade	
29	15/02/22	traversal techniques	N.D.Bobade	
30	16/02/22	preorder algorithm	N.D.Bobade	
31	18/02/22	Inorder algorithm	N.D.Bobade	
32	22/02/22	postorder algorithm	N.D.Bobade	
33	23/02/22	Revision on traversal techniques	N.D.Bobade	
34	25/02/22	header node Threads Inorder Threading	N.D.Bobade	
35	26/02/22	Binary search Tree	N.D.Bobade	
36	04/03/22	Searching in Binary search tree	N.D.Bobade	
37	08/03/2022	heap and heapsort	N.D.Bobade	
38	09/03/2022	path length & Huffman's Algorithm ,General Trees	N.D.Bobade	
39	11/03/2022	Pattern Matching Algorithm	N.D.Bobade	
40	14/03/2022	complexity of Algorithm	N.D.Bobade	
41	22/03/2022	Graph Notations ,Repreesentation of graph in memory	N.D.Bobade	
42	23/03/2022	traversing graph: depth first search	N.D.Bobade	
43	25/03/2022	Breadth First Search	N.D.Bobade	
44	29/03/2022	Insertion sort	N.D.Bobade	
45	04/04/2022	Selection sort	N.D.Bobade	
46	05/04/2022	Radix sort	N.D.Bobade	

N D Bobade

Signature of in-charge Faculty

Prof. Ram Meghe Institute of Technology & Research Badnera

Department of Master in Computer Application

Odd Semester AY:2021-2022 (Winter 21)

MCA I Year Semester I

Execution Plan

Name of Faculty: N.D.Bobade

Subject Name: Deta Structure & Algoritham

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	30/12/2021	Pract 1 Insert and Delete element from array	N.D.Bobade	
2	6/1/2022	Pract 2 Linear Search Program	N.D.Bobade	
3	13/1/2022	Pract 2Binary Search Program	N.D.Bobade	
4	20/1/2022	WAP to check whether 2 dimensional array stored by compiler in row major or column major order	N.D.Bobade	
5	27/1/2022	WAP to sort array using Bubble sort WAP to to implement Stack using array	N.D.Bobade	
6	03/02/2022	Write a program in C++ for implementing a linked list using pointers	N.D.Bobade	
7	10/02/2022	Write a recursive program in C++ a. to generate nth number of fibinacci series b. to find the factorial of a number.	N.D.Bobade	
8	15/02/2022	Write a recursive program in C++ for solving the Tower of Hanoi Problem	N.D.Bobade	
9	15/02/22	Write a program in C++ for implementing a stack using linked list and pointers.	N.D.Bobade	
10	22/02/22	Write a program in C++ for evaluation of a postfix expression.	N.D.Bobade	
11	7/3/22	Write a program in C++ for implementing a queue using array.	N.D.Bobade	
12	12/03/2022	Write a program in C++ for Insertion sort .	N.D.Bobade	
13	16/03/2022 b1 14/03/2022 b2 22/03/2022 b3	Write a program in C++ for Selection sort .	N.D.Bobade	
14	26/03/2022 b1 28/03/2022 b2 29/03/2022 b3	Write a program in C++ to implement the first pattern matching Algorithm.	N.D.Bobade	

N D Bobade

Signature of in-charge Faculty

Department of Master in Computer Application

Odd Semester AY:2021-2022 (Winter 21)

MCA I Year Semester I

Execution Plan

Name of Faculty: Prof. V. A. Sinha

Subject Name: operating System

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	21/12/2021	Introduction :Operating System (OS) definition	V. A. Sinha	
2	23/12/2021	OS Evolution, OS Components	V. A. Sinha	
3	27/12/2021	OS Services	V. A. Sinha	
4	28/12/2021	Process Concept, Process Scheduling	V. A. Sinha	
5	30/12/2021	Operations on Processes	V. A. Sinha	
6	01/01/2022	Cooperating Processes, Interprocess Communication	V. A. Sinha	
7	03/01/2022	Threads Overview, Multi-threading Models	V. A. Sinha	
8	04/01/2022	Threading Issues, Java Threads	V. A. Sinha	
9	06/01/2022	CPU Scheduling Concepts,	V. A. Sinha	
10	08/01/2022	Scheduling Criteria and Algorithms	V. A. Sinha	
11	10/01/2022	Process Synchronization	V. A. Sinha	
12	11/01/2022	The Critical-Section Problem,	V. A. Sinha	
13	13/01/2022	Synchronization Hardware	V. A. Sinha	
14	15/01/2022	Semaphores, Monitors	V. A. Sinha	
15	17/01/2022	Deadlocks: Definition & Characterization	V. A. Sinha	
16	18/01/2022	Deadlocks Prevention	V. A. Sinha	
17	20/01/2022	Avoidance, Detection of deadlocks	V. A. Sinha	
18	22/01/2022	Recovery from Deadlock	V. A. Sinha	
19	29/01/2022	Memory Management Background	V. A. Sinha	

20	01/02/2022	Swapping, Contiguous Memory Allocation	V. A. Sinha	
21	02/02/2022	Operating system and Network Security	V. A. Sinha	
22	03/02/2022	Paging and segmentation	V. A. Sinha	
23	05/02/2022	Background, Demand Paging scheme	V. A. Sinha	
24	07/02/2022	Process Creation.	V. A. Sinha	
25	10/02/2022	Page Replacement Policies,	V. A. Sinha	
26	12/02/2022	Allocation of Frames	V. A. Sinha	
27	15/02/2022	Thrashing	V. A. Sinha	
28	17/02/2022	File System Interface	V. A. Sinha	
29	21/02/2022	Directory structure, File-System Mounting	V. A. Sinha	
30	22/02/2022	File Sharing & Protection.	V. A. Sinha	
31	24/02/2022	File system Structure	V. A. Sinha	
32	26/02/2022	File-System Implementation	V. A. Sinha	
33	28/02/2022	Directory Implementation	V. A. Sinha	
34	03/03/2022	Allocation Methods	V. A. Sinha	
35	04/03/2022	Free- Space Management	V. A. Sinha	
36	05/03/2022	File System Mounting	V. A. Sinha	
37	07/03/2022	File Recovery	V. A. Sinha	
38	08/03/2022	File System Mounting	V. A. Sinha	
39	09/03/2022	I/O Systems: Overview.	V. A. Sinha	
40	10/03/2022	I/O Hardware	V. A. Sinha	
41	11/03/2022	Application I/O Interface	V. A. Sinha	
42	12/03/2022	Kernel I/O Subsystem	V. A. Sinha	
43	14/03/2022	Transforming I/O to Hardware Operations	V. A. Sinha	
44	15/03/2022	Disk Scheduling	V. A. Sinha	
45	16/03/2022	Disk Management	V. A. Sinha	
46	18/03/2022	Swap – Space Management ,RAID Structure.	V. A. Sinha	
47	19/03/2022	File protection & security : Goals of Protection	V. A. Sinha	
48	21/03/2022	Principles of Protection. Revocation of Access Rights,	V. A. Sinha	
49	22/03/2022	Security Problem	V. A. Sinha	

50	24/03/2022	Program Threats, Firewalling to Protect Systems	V. A. Sinha	
51	26/03/2022	Implementing Security Defenses	V. A. Sinha	
52	28/03/2022	User Authentication	V. A. Sinha	

Signature of in-charge Faculty

Prof. Ram Meghe Institute of Technology & Research Badnera

Department of Master in Computer Application

Odd Semester AY:2021-2022 (Winter 21)

MCA I Year Semester I

Execution Plan

Name of Faculty: Prof. S. S. Tayade.

Subject Name: Mathematics and Statistical Techniques.

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	20-12-2021	Permutation And combination introduction	S. S. Tayade	
2	21-12-2021	Factorial Notation Defination And problems on Factorial.	S. S. Tayade	
3	22-12-2021	Problems based on Permutation, Combination And Factorial.	S. S. Tayade	
4	23-12-2021	Introduction to Probability	S. S. Tayade	
5	27-12-2021	Problems based on Perobability	S. S. Tayade	
6	30-12-2021	Explanation to random experiment, sample space and discrete sample space,Events and Their types	S. S. Tayade	
7	03-01-2022	Algebra of events.	S. S. Tayade	
8	05-01-2022	Mutually Exclusive and Exhaustive Events.	S. S. Tayade	
9	06-01-2022	Complementary events.	S. S. Tayade	
10	10-01-2022	Addition theorem conditional probability	S. S. Tayade	
11	11-01-2022	Introduction to Measures of central tendancy, Introduction to Mean, Median, Mode	S. S. Tayade	
12	12-01-2022	Problems based on Mean	S. S. Tayade	
13	13-01-2022	Problems based on Median	S. S. Tayade	
14	14-01-2022	Problems Based on Mode	S. S. Tayade	
15	15-01-2022	Introduction to Quartile, Deciles and percentiles	S. S. Tayade	
16	16-01-2022	Locating median and quartile through ogives	S. S. Tayade	
17	17-01-2022	Histogram to locate mode and mean	S. S. Tayade	
18	18-01-2022	Numerical problems on central tendancy	S. S. Tayade	
19	19-01-2022	Problems based on central tendancy	S. S. Tayade	
20	20-01-2022	Problems based on Mean, Median, Mode	S. S. Tayade	
21	24-01-2022	Measures of Dispersion	S. S. Tayade	
22	25-01-2022	Introduction to Range, Quartile Deviation	S. S. Tayade	
23	27-01-2022	Problems Based on Range And Quartile Deviation	S. S. Tayade	
24	31-01-2022	Introduction to Mean Deviation	S. S. Tayade	
25	01-02-2022	Problems based on Mean Deviation	S. S. Tayade	

26	02-02-2022	Problems Based On Mean Deviation Using Mean And Median	S. S. Tayade	
27	03-02-2022	Problems Based On Mean Deviation Using Mean And Median	S. S. Tayade	
28	08-02-2022	Repeat topic Introduction to Mean Deviation.	S. S. Tayade	
29	09-02-2022	Repeat practice Problems Based On Mean Deviation Using Mean and Median	S. S. Tayade	
30	10-02-2022	Unit II Limits And Derivatives Introduction to functions , constant functions.	S. S. Tayade	
31	12-02-2022	Constant Function Defination , Graph, Constant function Equation Introduction Linear Equation	S. S. Tayade	
32	14-02-2022	Suply Function, suply curve, demand function and types.	S. S. Tayade	
33	15-02-2022	Total Revenue Average revenue,Marginal revenue	S. S. Tayade	
34	16-02-2022	Introduction to Derivatives. Formulae For derivatives	S. S. Tayade	
35	17-02-2022	Problems Based on Derivatives	S. S. Tayade	
36	21-02-2022	Introduction to Variance, Formulae For calculating Variance.	S. S. Tayade	
37	22-02-2022	Problems Based on Variance	S. S. Tayade	
38	23-02-2022	Co-efficient of Variation,Numerical problems on measures of dispersion	S. S. Tayade	
39	24-02-2022	Problems Based on Standard Deviation and Variance	S. S. Tayade	
40	26-02-2022	Scatter Diagram , Explaining the scatter diagram using graph	S. S. Tayade	
41	03-03-2022	Computation of Karl Pearson's Coefficient of corelation.	S. S. Tayade	
42	04-03-2022	Computation of Spearman's Rank Coefficient of corelation.	S. S. Tayade	
43	05-03-2022	Numerical problems on Bivariate Linear Correletion	S. S. Tayade	
44	07-03-2022	Concept of regression line	S. S. Tayade	
45	08-03-2022	Regression Equation	S. S. Tayade	
47	09-03-2022	Problems based on least square method	S. S. Tayade	
48	10-03-2022	Interpretation of regression coefficient	S. S. Tayade	
49	14-03-2022	Intersection of two regression line	S. S. Tayade	
50	15-03-2022	Numerical problems on Bivariate Linear Correletion	S. S. Tayade	
51	16-03-2022	Introduction to time series	S. S. Tayade	
52	21-03-2022	Components/Causes of time series	S. S. Tayade	
53	22-03-2022	Additive and multiplicative model	S. S. Tayade	
54	23-03-2022	Identification of Trends	S. S. Tayade	
55	24-03-2022	Methods of Estimating Trend	S. S. Tayade	
56	25-03-2022	Moving average method	S. S. Tayade	
57	26-03-2022	Problems based on moving average method	S. S. Tayade	
58	28-03-2022	Graphical method	S. S. Tayade	
59	29-03-2022	Problems based on graphical method	S. S. Tayade	
60	30-03-2022	Revision of topic	S. S. Tayade	
61	31-03-2022	Problems based on semi-average method	S. S. Tayade	
62	01-04-2022	Test	S. S. Tayade	
63	04-04-2022	Problems based on method	S. S. Tayade	
64	05-04-2022	Revision of topic	S. S. Tayade	

5-04-2022

ute of in-charge

85	06-04-2022	Inuitverical problems on Time Series	S. S. Tayade	

Signature of in-charge Faculty

Prof. Ram Meghe Institute of Technology & Research Badnera

Department of Master in Computer Application

Odd Semester AY:2021-2022 (Winter 21)

MCA I Year Semester I

Execution Plan

Name of Faculty: Prof. S. S. Tayade.

Subject Name: Lab Mathematics and Statistical Techniques.

Sr.No	Date	Topic to be Covered	Sign. of Faculty	Sign. of HOD
1	31-12-2021	Program for calculating Factorial using recursive function.	S. S. Tayade	
2	07-01-2022	Program for calculating Permutation and [illegible]	S. S. Tayade	
3	21-01-2022	[illegible]	S. S. Tayade	
4	28-01-2022	Program for calculating Matrix Substraction.	S. S. Tayade	
5	04-02-2022	Program for calculating Mathematic Mean for Group Data and individual data.	S. S. Tayade	
6	11-02-2022	Program for calculating Harmonic Mean.	S. S. Tayade	
7	14-02-2022	Program For Calculating Geometric Mean.	S. S. Tayade	
8	21-02-2022	Revision Program for calculating Matrix Addition	S. S. Tayade	
9	28-02-2022	Program for calculating Matrix Substraction.	S. S. Tayade	
10	04-03-2022	Revision Program for Calculating Harmonic Mean.	S. S. Tayade	
11 mo	11-03-2022	Revision Program For Calculating Geometric Mean.	S. S. Tayade	
12	B-3 14-03-2022 B-2 16-03-2022 B-1 17-03-2022	Program to find correlation coefficient Using Karl Pearson's	S. S. Tayade	
13	B-3 21-03-2022 B-2 23-03-2022 B-1 24-03-2022	Revision program to find correlation coefficient using Karl Pearson's	S. S. Tayade	
14	B-3 04-04-2022 B-2 06-04-2022 B-1 07-04-2022	program to find correlation coefficient Using SPEARMAN'S RANK	S. S. Tayade	
15	B-3 11-04-2022 B-2 13-04-2022	Revision program to find correlation coefficient Using SPEARMAN'S RANK	S. S. Tayade	
16	B-3 18-04-2022 B-2 20-04-2022 B-3 21-04-2022	Program to implement moving average method.	S. S. Tayade	

17	B-3 25-04-2022 B-2 27-04-2022 B-1 28-04-2022	progr[illegible] square method.	[illegible] Fayade	

Signature of in charge Fa[illegible]

Prof. Ram Meghe Institute of Technology & Research Badnera

Department of Master in Computer Application

Odd Semester AY:2021-2022 (Winter 21)

MCA I Year Semester I

Execution Plan

Name of Faculty: Prof.A.J.Pimprikar

Subject Name: Advance Computer Architecture

	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	5/1/2022	Amdahl's law, Von Neumann machine architecture	A.J.Pimprikar	
2	6/1/2022	Program development tools Operating systems	A.J.Pimprikar	
3	8/1/2022	Design of ALU, Bit slice processors Concept of instruction formats and instruction set	A.J.Pimprikar	
4	12/1/2022	instruction set types, types of operands and operations, Generation of memory addresses and addressing modes	A.J.Pimprikar	
5	13/01/2022	Subroutine nesting using stacks to implement subroutine calls and calling conventions,Processor organizations	A.J.Pimprikar	
6	20/01/2022	Register organization, Stack based organizations,Encoding of machine instructions	A.J.Pimprikar	
7	21/01/2022	General features of RISC and CISC instruction sets, modern processors convergence of RISK with CISC Processor microarchitecture-I - Fundamental concepts for data path implementation	A.J.Pimprikar	
8	22/01/2022	Processor microarchitecture-II - Data path implementation, microprogrammed execution, recent innovations in execution unit design.	A.J.Pimprikar	
9	26/01/2022	Overview of Parallel Processing and Pipelining Processing, study and comparison of uni-processors and parallel processors. Conventional and EPIC architecture. Evolution of parallel processors,future trends and there architecture.	A.J.Pimprikar	
10	27/01/2022	Overview of Parallel Processing and Pipelining Processing Necessity of high performance, Constraints of conventional architecture,Parallelism in uniprocessor system Evolution of parallel processors, future trends, Architectural Classification,	A.J.Pimprikar	
11	29/01/2022	Applications of parallel processing, Instruction level Parallelism and Thread Level Parallelism, Explicitly Parallel Instruction Computing (EPIC) ArchitecturePrinciples of scalable performance Performance Metrics and Measures, Speedup Performance Laws.	A.J.Pimprikar	
12	31/01/2022	Instruction pipeline, instruction pipeline hazards,overcoming hazards using a pipeline with forwarding paths,instruction set design influence on pipelining example of pipelined CISC processor example of pipelined RISC processor	A.J.Pimprikar	
13	1/2/2022	VLIW (Very Long Instruction Word) processors, Vector processors, Multithreaded processors	A.J.Pimprikar	

14	3/2/2022	Compilation techniques support to instruction level parallelism Extracting parallelism.	A.J.Pimprikar	
15	5/2/2022	Virtual memory organization, mapping functions for translating the program pages in virtual to physical addresses space partitioning,	A.J.Pimprikar	
16	9/2/2022	segmentation (superpages or page blocks) partitioning of virtual address space in to segment and page address	A.J.Pimprikar	
17	10/2/2022	demand paging and swapping, cache and virtual swapping	A.J.Pimprikar	
18	12/2/2022	cache and virtual memory,inverted page tables concept	A.J.Pimprikar	
19	16/2/2022	protection between programs running on the same system , accessing I/O devices, programmed I/O	A.J.Pimprikar	
20	18/2/200	interrupts, direct memory access DMA	A.J.Pimprikar	
21	19/2/2022	bus arbitration, interface circuits, I/O interfaces	A.J.Pimprikar	
22	21/2/2022	I/O processors, external I/O devices	A.J.Pimprikar	
23	23/2/2022	Multiprocessor Architectures – Objectives, Introduction,	A.J.Pimprikar	
24	2/3/2022	Multiprocessor Architectures, Performance Charateristics of Multiprocessors	A.J.Pimprikar	
25	3/3/2022	Multicore Architectures – Single Chip Multiprocessors, Flynn Classification	A.J.Pimprikar	
26	5/3/2022	Interconnection Structures, Interconnection Networks – Dynamic and Static Multiprocessor System Interconnect	A.J.Pimprikar	

	9/3/2022	Banyan and Delta Networks (Banyan Multistage Networks), Interprocess Arbitration	A.J.Pimprikar	
28	10/3/2022	Interprocess Communication, Memory Organization in Multiprocessors	A.J.Pimprikar	
29	16/3/2022	Shared-memory Multiprocessor Systems, Synchronization – Memory Organization	A.J.Pimprikar	
30	21/3/2022	Contention and Arbitration, Cache Coherence and Synchronization Mechanisms	A.J.Pimprikar	
31	22/3/2022	Cache Coherence, Message Passing Systems, Issues in Cluster Computing	A.J.Pimprikar	
32	24/3/2022	Study of Architecture of Multithreaded processors, Latency hiding techniques	A.J.Pimprikar	
33	24/3/2022	Principles of multithreading, Issues and solutions.	A.J.Pimprikar	
34	25/3/2022	Parallel Programming Techniques: Message passing program development	A.J.Pimprikar	
35	25/3/2022	Synchronous and asynchronous message passing	A.J.Pimprikar	
36	28/3/2022	Message passing parallel programming, Shared Memory Programming	A.J.Pimprikar	
37	28/3/2022	Data Parallel Programming. Implementation issues of a multithreaded program.	A.J.Pimprikar	
38	29/3/2022	Parallelism in uniprocessor system Evolution of parallel processors	A.J.Pimprikar	
39	29/3/2022	Explicitly Parallel Instruction Computing (EPIC) ArchitecturePrinciples of scalable performance: Performance Metrics and Measures, Speedup Performance Laws	A.J.Pimprikar	

40	4/4/2022	Amdahl's law, Von Neumann machine architecture	A.J.Pimprikar	
41	4/4/2022	future trends, Architectural Classification,	A.J.Pimprikar	

Signature of in-charge Faculty

Prof. Ram Meghe Institute of Technology & Research Badnera

Department of Master in Computer Application

Odd Semester AY:2021-2022 (Winter 21)

MCA I Year Semester I

Execution Plan

Name of Faculty: Prof. S. S. Tayade.

Subject Name: Mathematics and Statistical Techniques.

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	20-12-2021	Permutation And combination introduction	S. S. Tayade	
2	21-12-2021	Factorial Notation Defination And problems on Factorial.	S. S. Tayade	
3	22-12-2021	Problems based on Permutation, Combination And Factorial.	S. S. Tayade	
4	23-12-2021	Introduction to Probability	S. S. Tayade	
5	27-12-2021	Problems based on Perobability	S. S. Tayade	
6	30-12-2021	Explanation to random experiment, sample space and discrete sample space,Events and Their types	S. S. Tayade	
7	03-01-2022	Algebra of events.	S. S. Tayade	
8	05-01-2022	Mutually Exclusive and Exhaustive Events.	S. S. Tayade	
9	06-01-2022	Complementary events.	S. S. Tayade	
10	10-01-2022	Addition theorem conditional probability	S. S. Tayade	
11	11-01-2022	Introduction to Measures of central tendancy, Introduction to Mean, Median, Mode	S. S. Tayade	
12	12-01-2022	Problems based on Mean	S. S. Tayade	
13	13-01-2022	Problems based on Median	S. S. Tayade	
14	14-01-2022	Problems Based on Mode	S. S. Tayade	
15	15-01-2022	Introduction to Quartile, Deciles and percentiles	S. S. Tayade	
16	16-01-2022	Locating median and quartile through ogives	S. S. Tayade	
17	17-01-2022	Histogram to locate mode and mean	S. S. Tayade	
18	18-01-2022	Numerical problems on central tendancy	S. S. Tayade	
19	19-01-2022	Problems based on central tendancy	S. S. Tayade	
20	20-01-2022	Problems based on Mean, Median, Mode	S. S. Tayade	
21	24-01-2022	Measures of Dispersion	S. S. Tayade	
22	25-01-2022	Introduction to Range, Quartile Deviation	S. S. Tayade	
23	27-01-2022	Problems Based on Range And Quartile Deviation	S. S. Tayade	
24	31-01-2022	Introduction to Mean Deviation	S. S. Tayade	
25	01-02-2022	Problems based on Mean Deviation	S. S. Tayade	

26	02-02-2022	Problems Based On Mean Deviation Using Mean And Median	S. S. Tayade	
27	03-02-2022	Problems Based On Mean Deviation Using Mean And Median	S. S. Tayade	
28	08-02-2022	Repeat topic Introduction to Mean Deviation.	S. S. Tayade	
29	09-02-2022	Repeat practice Problems Based On Mean Deviation Using Mean and Median	S. S. Tayade	
30	10-02-2022	Unit II Limits And Derivatives Introduction to functions , constant functions.	S. S. Tayade	
31	12-02-2022	Constant Function Defination , Graph, Constant function Equation Introduction Linear Equation	S. S. Tayade	
32	14-02-2022	Suply Function, suply curve, demand function and types.	S. S. Tayade	
33	15-02-2022	Total Revenue Average revenue,Marginal revenue	S. S. Tayade	
34	16-02-2022	Introduction to Derivatives. Formulae For derivatives	S. S. Tayade	
35	17-02-2022	Problems Based on Derivatives	S. S. Tayade	
36	21-02-2022	Introduction to Variance, Formulae For calculating Variance.	S. S. Tayade	
37	22-02-2022	Problems Based on Variance	S. S. Tayade	
38	23-02-2022	Co-efficient of Variation,Numerical problems on measures of dispersion	S. S. Tayade	
39	24-02-2022	Problems Based on Standard Deviation and Variance	S. S. Tayade	
40	26-02-2022	Scatter Diagram , Explaining the scatter diagram using graph	S. S. Tayade	
41	03-03-2022	Computation of Karl Pearson's Coefficient of corelation.	S. S. Tayade	
42	04-03-2022	Computation of Spearman's Rank Coefficient of corelation.	S. S. Tayade	
43	05-03-2022	Numerical problems on Bivariate Linear Correletion	S. S. Tayade	
44	07-03-2022	Concept of regression line	S. S. Tayade	
45	08-03-2022	Regression Equation	S. S. Tayade	
47	09-03-2022	Problems based on least square method	S. S. Tayade	
48	10-03-2022	Interpretation of regression coefficient	S. S. Tayade	
49	14-03-2022	Intersection of two regression line	S. S. Tayade	
50	15-03-2022	Numerical problems on Bivariate Linear Correletion	S. S. Tayade	
51	16-03-2022	Introduction to time series	S. S. Tayade	
52	21-03-2022	Components/Causes of time series	S. S. Tayade	
53	22-03-2022	Additive and multiplicative model	S. S. Tayade	
54	23-03-2022	Identification of Trends	S. S. Tayade	
55	24-03-2022	Methods of Estimating Trend	S. S. Tayade	
56	25-03-2022	Moving average method	S. S. Tayade	
57	26-03-2022	Problems based on moving average method	S. S. Tayade	
58	28-03-2022	Graphical method	S. S. Tayade	
59	29-03-2022	Problems based on graphical method	S. S. Tayade	
60	30-03-2022	Revision of topic	S. S. Tayade	
61	31-03-2022	Problems based on semi-average method	S. S. Tayade	
62	01-04-2022	Test	S. S. Tayade	
63	04-04-2022	Problems based on method	S. S. Tayade	
64	05-04-2022	Revision of topic	S. S. Tayade	

5-04-2022

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85	06-04-2022	Inuitverical problems on Time Series	S. S. Tayade	

Signature of in-charge Faculty

Prof. Ram Meghe Institute of Technology & Research Badnera

Department of Master in Computer Application

Odd Semester AY:2021-2022 (Winter 21)

MCA I Year Semester I

Execution Plan

Name of Faculty: Prof. S. S. Tayade.

Subject Name: Lab Mathematics and Statistical Techniques.

Sr.No	Date	Topic to be Covered	Sign. of Faculty	Sign. of HOD
1	31-12-2021	Program for calculating Factorial using recursive function.	S. S. Tayade	
2	07-01-2022	Program for calculating Permutation and [illegible]	S. S. Tayade	
3	21-01-2022	[illegible]	S. S. Tayade	
4	28-01-2022	Program for calculating Matrix Substraction.	S. S. Tayade	
5	04-02-2022	Program for calculating Mathematic Mean for Group Data and individual data.	S. S. Tayade	
6	11-02-2022	Program for calculating Harmonic Mean.	S. S. Tayade	
7	14-02-2022	Program For Calculating Geometric Mean.	S. S. Tayade	
8	21-02-2022	Revision Program for calculating Matrix Addition	S. S. Tayade	
9	28-02-2022	Program for calculating Matrix Substraction.	S. S. Tayade	
10	04-03-2022	Revision Program for Calculating Harmonic Mean.	S. S. Tayade	
11 mo	11-03-2022	Revision Program For Calculating Geometric Mean.	S. S. Tayade	
12	B-3 14-03-2022 B-2 16-03-2022 B-1 17-03-2022	Program to find correlation coefficient Using Karl Pearson's	S. S. Tayade	
13	B-3 21-03-2022 B-2 23-03-2022 B-1 24-03-2022	Revision program to find correlation coefficient using Karl Pearson's	S. S. Tayade	
14	B-3 04-04-2022 B-2 06-04-2022 B-1 07-04-2022	program to find correlation coefficient Using SPEARMAN'S RANK	S. S. Tayade	
15	B-3 11-04-2022 B-2 13-04-2022	Revision program to find correlation coefficient Using SPEARMAN'S RANK	S. S. Tayade	
16	B-3 18-04-2022 B-2 20-04-2022 B-3 21-04-2022	Program to implement moving average method.	S. S. Tayade	

17	B-3 25-04-2022 B-2 27-04-2022 B-1 28-04-2022	progr[illegible] square method.	[illegible] Fayade	

Signature of in charge Fa[illegible]

Prof. Ram Meghe Institute of Technology & Research Badnera

Department of Master in Computer Application

Odd Semester AY:2021-2022 (Winter 21)

MCA I Year Semester I

Execution Plan

Name of Faculty: Prof.A.J.Pimprikar

Subject Name: Advance Computer Architecture

	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	5/1/2022	Amdahl's law, Von Neumann machine architecture	A.J.Pimprikar	
2	6/1/2022	Program development tools Operating systems	A.J.Pimprikar	
3	8/1/2022	Design of ALU, Bit slice processors Concept of instruction formats and instruction set	A.J.Pimprikar	
4	12/1/2022	instruction set types, types of operands and operations, Generation of memory addresses and addressing modes	A.J.Pimprikar	
5	13/01/2022	Subroutine nesting using stacks to implement subroutine calls and calling conventions,Processor organizations	A.J.Pimprikar	
6	20/01/2022	Register organization, Stack based organizations,Encoding of machine instructions	A.J.Pimprikar	
7	21/01/2022	General features of RISC and CISC instruction sets, modern processors convergence of RISK with CISC Processor microarchitecture-I - Fundamental concepts for data path implementation	A.J.Pimprikar	
8	22/01/2022	Processor microarchitecture-II - Data path implementation, microprogrammed execution, recent innovations in execution unit design.	A.J.Pimprikar	
9	26/01/2022	Overview of Parallel Processing and Pipelining Processing, study and comparison of uni-processors and parallel processors. Conventional and EPIC architecture. Evolution of parallel processors,future trends and there architecture.	A.J.Pimprikar	
10	27/01/2022	Overview of Parallel Processing and Pipelining Processing Necessity of high performance, Constraints of conventional architecture,Parallelism in uniprocessor system Evolution of parallel processors, future trends, Architectural Classification,	A.J.Pimprikar	
11	29/01/2022	Applications of parallel processing, Instruction level Parallelism and Thread Level Parallelism, Explicitly Parallel Instruction Computing (EPIC) ArchitecturePrinciples of scalable performance Performance Metrics and Measures, Speedup Performance Laws.	A.J.Pimprikar	
12	31/01/2022	Instruction pipeline, instruction pipeline hazards,overcoming hazards using a pipeline with forwarding paths,instruction set design influence on pipelining example of pipelined CISC processor example of pipelined RISC processor	A.J.Pimprikar	
13	1/2/2022	VLIW (Very Long Instruction Word) processors, Vector processors, Multithreaded processors	A.J.Pimprikar	

14	3/2/2022	Compilation techniques support to instruction level parallelism Extracting parallelism.	A.J.Pimprikar	
15	5/2/2022	Virtual memory organization, mapping functions for translating the program pages in virtual to physical addresses space partitioning,	A.J.Pimprikar	
16	9/2/2022	segmentation (superpages or page blocks) partitioning of virtual address space in to segment and page address	A.J.Pimprikar	
17	10/2/2022	demand paging and swapping, cache and virtual swapping	A.J.Pimprikar	
18	12/2/2022	cache and virtual memory,inverted page tables concept	A.J.Pimprikar	
19	16/2/2022	protection between programs running on the same system , accessing I/O devices, programmed I/O	A.J.Pimprikar	
20	18/2/200	interrupts, direct memory access DMA	A.J.Pimprikar	
21	19/2/2022	bus arbitration, interface circuits, I/O interfaces	A.J.Pimprikar	
22	21/2/2022	I/O processors, external I/O devices	A.J.Pimprikar	
23	23/2/2022	Multiprocessor Architectures – Objectives, Introduction,	A.J.Pimprikar	
24	2/3/2022	Multiprocessor Architectures, Performance Charateristics of Multiprocessors	A.J.Pimprikar	
25	3/3/2022	Multicore Architectures – Single Chip Multiprocessors, Flynn Classification	A.J.Pimprikar	
26	5/3/2022	Interconnection Structures, Interconnection Networks – Dynamic and Static Multiprocessor System Interconnect	A.J.Pimprikar	

	9/3/2022	Banyan and Delta Networks (Banyan Multistage Networks), Interprocess Arbitration	A.J.Pimprikar	
28	10/3/2022	Interprocess Communication, Memory Organization in Multiprocessors	A.J.Pimprikar	
29	16/3/2022	Shared-memory Multiprocessor Systems, Synchronization – Memory Organization	A.J.Pimprikar	
30	21/3/2022	Contention and Arbitration, Cache Coherence and Synchronization Mechanisms	A.J.Pimprikar	
31	22/3/2022	Cache Coherence, Message Passing Systems, Issues in Cluster Computing	A.J.Pimprikar	
32	24/3/2022	Study of Architecture of Multithreaded processors, Latency hiding techniques	A.J.Pimprikar	
33	24/3/2022	Principles of multithreading, Issues and solutions.	A.J.Pimprikar	
34	25/3/2022	Parallel Programming Techniques: Message passing program development	A.J.Pimprikar	
35	25/3/2022	Synchronous and asynchronous message passing	A.J.Pimprikar	
36	28/3/2022	Message passing parallel programming, Shared Memory Programming	A.J.Pimprikar	
37	28/3/2022	Data Parallel Programming. Implementation issues of a multithreaded program.	A.J.Pimprikar	
38	29/3/2022	Parallelism in uniprocessor system Evolution of parallel processors	A.J.Pimprikar	
39	29/3/2022	Explicitly Parallel Instruction Computing (EPIC) ArchitecturePrinciples of scalable performance: Performance Metrics and Measures, Speedup Performance Laws	A.J.Pimprikar	

40	4/4/2022	Amdahl's law, Von Neumann machine architecture	A.J.Pimprikar	
41	4/4/2022	future trends, Architectural Classification,	A.J.Pimprikar	

Signature of in-charge Faculty