

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Odd Semester 2020-21)

Execution Plan

Name of Faculty: Prof. S.A.Baitule

Subject Code: Section: A

Subject Name: CTRCC

Semester: III

Year: Second Year

Sr. No	Date	Topics Covered
1	21/8/2020	Unit 1: Cement: Physical properties of Portland cement
2	24/8/2020	laboratory tests on cement
3	25/8/2020	types of cements
4	28/8/2020	Aggregate: Classification of aggregate
5	31/8/2020	physical properties, bulking and moisture content, specific gravity, bulk density.
6	04/09/2020	Unit 2: Workability of concrete, methods of measuring workability
7	07/09/2020	nominal mix, mixing, centering & formwork, placing
8	08/09/2020	compaction and curing of concrete
9	11/09/2020	Grades of concrete, properties of concrete, compressive, tensile, and shear strength
10	23/9/2020	modulus of elasticity, creep, shrinkage. Durability of concrete
11	25/9/2020	Unit 3: Basic elastic theory and concept of reinforced concrete
12	28/9/2020	types of reinforcement, Analysis of rectangular sections by working stress

		method
13	29/9/2020	design of singly reinforced beams
14	30/9/2020	one-way slabs (simply supported)
15	05/10/2020	lintels, and chajjas.
Sr. No	Date	Topics Covered
16	06/10/2020	Unit 4: Pozzolana and Admixtures: Plasticizer, retarders, accelerators,
17	07/10/2020	water proofing agents, mineral admixtures, IS code provisions
18	09/10/2020	Construction chemicals: concrete curing compounds, polymer bonding agent
19	12/10/2020	surface retarders, bond aid for plastering, protective and decorative coating.
20	13/10/2020	Unit 5: Special concrete: Ready Mix Concrete Light weight concrete, fibre reinforced concrete, Roller compacted concrete
21	14/10/2020	self-compacted concrete, high strength concrete, high performance concrete, high volume fly ash concrete
22	16/10/2020	Special concreting techniques: Guniting, grouting and shotcrete concrete, introduction & application of Ferrocement.
23	19/10/2020	Unit 6: Introduction of mix design
24	20/10/2020	IS Code method of mix design (IS: 10262 – 1982)

25	21/10/2020	IS Code method of mix design (IS: 10262 – 1982) Example
26	23/10/2020	Ambuja method

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. A.S.Deshmukh

Subject Code: 3CE03 Section: B

Subject Name: BCM&EG

Semester: III

Year: Second Year

Sr.No	Date	Topics Covered
1	17/08/2020	Introduction: Definition, types of buildings as per national building code, components of buildings and their functions,
2	20/08/2020	Types of structure \pm load bearing & framed structures.
3	21/08/2020	Foundation: Definition and necessity, loads of foundation, Bearing Capacity soil, field methods of improving bearing capacity.
4	24/08/2020	Types of foundation - shallow foundation and Types of Shallow foundation.
5	27/08/2020	Causes of failure of foundations and precautions to be taken.
6	28/08/2020	Masonry: Classification of bricks, manufacturing of bricks, tests on bricks.
7	3/09/2020	bricks, properties of burnt bricks, fly ash bricks, ALC Blocks.
8	4/09/2020	Brick masonry construction - Technical terms, general principles, commonly used types of bonds such as stretcher, header, English bond and Flemish bond, their suitability.
9	7/09/2020	Formwork: Different types, their relative merits, demerits, period for removal of formwork for different members.
10	10/09/2020	Earthquake resistant bands in masonry- Types, location and application.
11	11/09/2020	Floors: Types of Floors \pm Basement floor, ground floor and upper floors,

12	14/09/2020	Floor finishes ± Types of flooring material, different types of floor finishes, suitability,
13	17/09/2020	Method of construction, criteria for selection. Roofs- Flat, pitched roof, steel roof trusses- types and suitability,
14	18/09/2020	Arches, lintels ± Types and their Suitability. types of roof covering.
15	21/09/2020	Details of R.C.C. lintels.; chajja, precast lintels arches.
16	24/09/2020	Doors: Purpose, criteria for location, size of door, door frames.; its types, methods of fixing,
17	25/09/2020	Types of door shutters and their suitability,
18	28/09/2020	Windows -Purpose, criteria for location, no., sizes; shapes of Windows, types of windows; their suitability.
19	1/10/2020	Ventilators - Types and their suitability.
20	5/10/2020	Fixtures & fastening for doors and windows.
21	8/10/2020	Stairs- Function, technical terms, criteria for location, types of staircases, their suitability,
22	9/10/2020	principle of stair layout design.
23	12/10/2020	Plastering - Necessity, types, processes of different types of plastering, defects in plastered work.
24	15/10/2020	Scaffolding ± Purpose, types and suitability.
25	16/10/2020	Special Aspects of Construction ± Damp proofing ± causes of dampness, its effects, various methods of damp proofing.
26	22/10/2020	Fire proof construction -Fire protection requirements for a multistoried building.
27	23/10/2020	Sound proof Construction -Sound absorbents and their characteristic.

28	26/10/2020	Expansion & construction joints in building.
29	29/10/2020	Introduction - Different branches of Geology and importance of Geology in Civil Engineering.
30	2/11/2020	Folds, faults, joints in Geology.
31	5/11/2020	Geology. Geological studies related to site selection for dams and reservoirs.
32	6/11/2020	Petrology - rock cycle, rock Weathering.
33	19/11/2020	Soil formation, study of common rock types.
34	20/11/2020	Earthquake Engineering - earthquake waves, causes and effects.
35	23/11/2020	Magnitude and intensity of earthquake.
36	26/11/2020	Earthquake zones of India.

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. N.W.Chorey

Subject Code: 3CE03

Section: A

Subject Name: BCM&EG

Semester: III

Year: Second Year

Sr No	Date	Topics Covered
1	18-8-2020	Introduction: Definition, types of buildings as per national building code, components of buildings and their functions.
2	19-8-2020	Types of structure \pm load bearing & framed structures.
3	21-8-2020	Foundation: Definition and necessity, loads of foundation, Bearing Capacity soil, field methods of improving bearing capacity.
4	25-8-2020	Types of foundation - shallow foundation and Types of Shallow foundation.
5	26-8-2020	Causes of failure of foundations and precautions to be taken.
6	28-8-2020	Masonry: Classification of bricks, manufacturing of bricks, tests on bricks.
7	1-9-2020	bricks, properties of burnt bricks, fly ash bricks, ALC Blocks.
8	2-9-2020	Brick masonry construction - Technical terms, general principles, commonly used types of bonds such as stretcher, header, English bond and Flemish bond, their suitability.
9	04-9-2020	Formwork: Different types, their relative merits, demerits, period for removal of formwork for different members.
10	8-9-2020	Earthquake resistant bands in masonry- Types, location and application.
11	9-9-2020	Floors: Types of Floors \pm Basement floor, ground floor and upper floors,
12	11-9-2020	floors, Floorfinishes \pm Types of flooring

		material, different types of floor finishes, suitability,
13	15-9-2020	Method of construction, criteria for selection. Roofs- Flat, pitched roof, steel roof trusses- types and suitability,
14	16-9-2020	Arches, lintels ± Types and their Suitability. types of roof covering.
15	18-9-2020	Details of R.C.C. lintels.; chajja, precast lintels arches.
16	22-9-2020	Doors: Purpose, criteria for location, size of door, door frames.; its types, methods of fixing,
17	23-9-2020	Types of door shutters and their suitability,
18	25-9-2020	Windows -Purpose, criteria for location, no., sizes; shapes of Windows, types of windows; their suitability.
19	29-9-2020	Ventilators - Types and their suitability.
20	30-9-2020	Fixtures & fastening for doors and windows.
21	6-10-2020	Stairs- Function, technical terms, criteria for location, types of staircases, their suitability,
22	7-10-2020	principle of stair layout design.
23	9-10-2020	Plastering - Necessity, types, processes of different types of plastering, defects in plastered work.
24	13-10-2020	Scaffolding ± Purpose, types and suitability.
25	14-10-2020	Special Aspects of Construction ± Damp proofing ± causes of dampness, its effects, various methods of damp proofing.
26	16-10-2020	Fire proof construction -Fire protection requirements for a multistoried building.
27	20-10-2020	Sound proof Construction -Sound absorbents and their characteristic.

28	21-10-2020	Expansion & construction joints in building.
29	23-10-2020	Introduction - Different branches of Geology and importance of Geology in Civil Engineering.
30	27-10-2020	Folds, faults, joints in Geology.
31	3-11-2020	Geology. Geological studies related to site selection for dams and reservoirs.
32	4-11-2020	Petrology - rock cycle, rock Weathering.
33	6-11-2020	Soil formation, study of common rock types.
34	10-11-2020	Earthquake Engineering - earthquake waves, causes and effects.
35	11-11-2020	Magnitude and intensity of earthquake.
36	26-11-2020	Earthquake zones of India.

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. M.S.Mahalle

Subject Code: Section: A

Subject Name: TE 1

Semester: III

Year: Second Year

SR NO	DATE	TOPIC COVERED
1		Unit-I Highway: introction to all modes of transportation
2	18.08.20	Road Transport characteristics
3	20.08.20	classification of Roads
4	21.08.20	Road Patterns
5	25.08.20	Alignment principles
6	27.08.20	Survey for highway
7	28.08.20	Survey for highway
8		Unit-II Geometric Design
9	03.09.20	Cross sectional elements
10	4.09.20	Right of way, Camber,Gradient
11	8.09.20	Typical Highway cross section, PIEV Theory
12	10.09.20	stopping sight distance,overtaking sight distance
13	11.09.20	Horizontal alignment, curves,
14	15.09.20	superelevation
15		Unit-III Pavement Design and Traffic Engineering
16	18.09.20	Components of Flexible and Rigid pavement, Design factor
17	22.09.20	Traffic Characteristics, Traffic Studies
18	24.09.20	Construction and Maintenance – WBM Surface dressing
19	25.09.20	bituminous roads and construction procedure
20	29.09.20	Road parking system,
21	1.10.20	traffic control devices and 3 E's of traffic
22	6.10.20	Unit-IV:Railway: Railway transportation
23	8.10.20	track sections, embankment & cutting
24	9.10.20	Points and crossing Left &right hand turnouts.
25	13.10.20	Objects, Permanent way, gauges, coning of wheels
26	15.10.20	components of permanent way, Sleeper density,
27	16.10.20	Rail fixtures & fastening
28	22.10.20	Rail types and functions.
29	23.10.20	Unit-V: Airport: Agencies controlling national & international aviation
30	26.10.20	various surveys to be conducted, airport site selection,
31	29.10.20	Aero plane component parts, Aircraft characteristics
32	3.11.20	Airport obstructions: Zoning laws
33	5.11.20	wind rose diagram.
34	6.11.20	Basic runway length and corrections
35	10.11.20	Apron layout, Aircraft parking & parking system

36	12.11.20	Unit-VI: Tunnel and Bridges : Tunnels- necessity, types, tunnel alignment
37	13.11.20	Size and shape of tunnels, and Tunnel lining.
38	17.11.20	Tunnel drainage, ventilation & lighting of tunnels
39	19.11.20	Bridge Engineering-Components, classification and identification
40	20.11.20	data collection, site selection, economic span,
41	24.11.20	Estimation of flood discharge, water way, scour depth, depth of foundation, Afflux, clearance and free board,
42	26.11.20	different structural form – culverts, types of foundation, abutments.
43	27.11.20	piers and wing wall.

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Execution Plan

Name of Faculty: Prof. RIYAZ SAMEER SHAH Subject Code: 3CE02

Section: B

Subject Name: STRENGTH OF MATERIALS Semester: III Year: Second Year

Sr. No	Date	Topics Covered
1	20/08/2020	Stress, Strain, Elastic Limit, Hook's law, Poisson Ratio
2	21/08/2020	Modulus of Rigidity, Concept of Stress strain diagram and Factor of safety, Relation between modulus of elasticity and modulus of rigidity, Concept of Composite and Compound section
3	22/08/2020	Problems on Uniform Compound Section
4	24/08/2020	Concept of Extension of Tapering Rod and its problem
5	25/08/2020	Problems on Composite Section , Problems on Volumetric stress and strain
6	26/08/2020	Bulk Modulus, Volumetric stress and strain, Relation between modulus of elasticity and bulk modulus
7	01/09/2020	Concept of Thermal stress [Temperature Stresses], Problems of Compound section of Thermal Stresses.
8	02/09/2020	Problems on Composite Section of Thermal stresses unit hydr
9	03/09/2020	Beams, Loading and Support conditions
10	08/09/2020	Bending Moment, Shear Force and Axial Force Diagram
11	11/09/2020	Relation between shear force, bending moment and loading intensity
12		Problems on SFD and BMD – Simple support beams
13	14/09/2020	Problems on SFD and BMD – Simple support beams
14	15/09/2020	Problems on SFD and BMD – Simple support beams
15	16/09/2020	Problems on SFD and BMD – Cantilever beams
16	18/09/2020	Problems on SFD and BMD – Overhang beams
17	19/09/2020	Stress in Beams: Bending – Theory of simple bending, section modulus, moment of resistance
18	21/09/2020	Stress in Beams: Bending – Bending stresses in solid, hollow and built up section

19	22/09/2020	Torsion: Theory of torsion and assumption
20	23/09/2020	Torsion: Derivations of torsion equation
21	25/09/2020	Torsion: Base on Derivations of torsion equation
22	26/09/2020	Torsion: Polar modulus, Stress in solid and hallow circular shaft
23	28/09/2020	Torsion: Power transmitted by shaft channel
24	03/10/2020	Torsion: Closed coiled helical spring with axial load
25	05/10/2020	Torsion: Closed coiled helical spring with axial load
26	06/10/2020	Thin cylinder subjected to internal pressure
27	07/10/2020	Thick cylinder subjected to internal pressure
28	10/10/2020	Principle stresses: Biaxial stress system
29	12/10/2020	Principle Planes
30	13/10/2020	Mohr's circle of stresses
31	14/10/2020	Stress in Beams: Strain energy under uniaxial tension and compression
32	17/10/2020	Stress in Beams: Impact loads and instantaneous stresses.
33	21/10/2020	Deflection of beams
34	22/10/2020	Deflection of beams for statically determinate
35	23/10/2020	Deflection of beams for statically determinate for overhang beam

Name of Faculty: Prof. A.S.Deshmukh

Subject

Code:

5CE01

Section: A

Subject Name: BPCAD

Semester: V

Year: Third Year

Sr. No	Date	Topics Covered
1	19/08/2020	Unit 1: Introduction: Importance of building drawing for Civil Engineering.
2	20/08/2020	Method of drawing – Selection of scales for various drawings
3	26/08/2020	Abbreviations & graphical symbols used in Civil Engineering Drawing
4	27/08/2020	Combined first angle & third angle method of projection.
5	2/09/2020	Layout of sheet for civil engineering drawing,
6	3/09/2020	Requirements of drawing as per plan sanctioning authorities.
7	9/09/2020	Unit 2: Concept of line plan & working drawings of the building.
8	10/09/2020	Developing working drawings of the building from the given line plan
9	16/09/2020	Necessity and use of working drawing.
10	17/09/2020	Concept of site plan, block plan and layout plan. Importance and detail.
11	23/09/2020	Developing working drawing and foundation plan for load bearing and
12	24/09/2020	Unit 3: Planning of residential building. Introduction, general principles.

13	1/10/2020	Planning of residential building. Introduction, general principles.
14	7/10/2020	Temperature Climate and design consideration. Orientation of buildings
15	8/10/2020	Requirement of the owner, alternatives of building types.
16	14/10/2020	Common utilities such as parking, security, water supply, sanitation
17	15/10/2020	Criteria for earthquake resistant planning of building.
18	21/10/2020	Criteria for earthquake resistant planning of building.
19	22/10/2020	Unit 4: Concept of line plan, working drawing and submission drawing.
20	28/10/2020	Concept of site plan, block plan and layout plan
21	29/10/2020	Concept of foundation plan and use.
22	4/11/2020	Types of public building and their requirements, planning of public.
23	5/11/2020	Preparing line plans of different public buildings such as schools, post office, etc.
24	18/11/2020	Free-hand sketch
25	19/11/2020	Developing working and submission drawing of load bearing and frame structural building.
26	25/11/2020	Developing working and submission drawing of load bearing and frame structural building.
27	26/10/2020	Developing working and submission drawing of load bearing and frame structural building.

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. S.A.Deshmukh Subject Code: Section: C

Subject Name: RCC- II Semester: V (ODD) Year: Third Year

Sr.No	Date	Topics Covered
1	17/08/2020	UNIT :- 1 INTRODUCTUION OF RCC II
2	18/08/2020	UNIT :- 1 INTRODUCTUION OF RCC II
3	20/08/2020	UNIT :- 1 INTRODUCTUION OF RCC II
4	21/08/2020	UNIT :- 1 DESIGN OF CIRCULAR WATER TANK WITH RIGID BASE
5	24/08/2020	UNIT :- 1 DESIGN OF CIRCULAR WATER TANK WITH RIGID BASE
6	25/08/2020	UNIT :- 1 DESIGN OF CIRCULAR WATER TANK WITH RIGID BASE
7	27/08/2020	UNIT :- 1 DESIGN OF CIRCULAR WATER TANK WITH RIGID BASE
8	28/08/2020	UNIT :- 1 DESIGN OF CIRCULAR WATER TANK WITH FLEXILE BASE
9	01/09/2020	UNIT :- 1 DESIGN OF CIRCULAR WATER TANK WITH FLEXILE BASE
10	03/09/2020	UNIT :- 1 DESIGN OF CIRCULAR WATER TANK WITH FLEXILE BASE
11	04/09/2020	UNIT :- 2 INTRODUCTION TO LIMIT STATE METHOD
12	07/09/2020	UNIT :- 2 DESIGN SINGLY REINFORCED BEAM
13	08/09/2020	UNIT :- 2 DESIGN SINGLY REINFORCED BEAM
14	10/09/2020	UNIT :- 2 DESIGN DOUBLY REINFORCED BEAM

15	11/09/2020	UNIT :- 2 DESIGN DOUBLY REINFORCED BEAM
16	14/09/2020	UNIT :- 4 DESIGN OF T - BEAM
17	15/09/2020	UNIT :- 4 DESIGN OF T - BEAM
18	17/09/2020	UNIT :- 4 DESIGN OF T - BEAM
19	18/09/2020	UNIT :- 4 DESIGN OF T - BEAM ,flange beam
20	21/09/2020	UNIT :- 4 DESIGN OF T - BEAM ,flange beam
21	22/09/2020	UNIT :- 2 DESIGN OF ONE WAY CONTINIOUS SLAB
22	24/09/2020	UNIT :- 2 DESIGN OF ONE WAY CONTINIOUS SLAB
23	25/09/2020	UNIT :- 2 DESIGN OF ONE WAY CONTINIOUS SLAB
24	28/09/2020	UNIT :- 2 DESIGN OF ONE WAY CONTINIOUS SLAB
25	29/09/2020	UNIT :- 2 DESIGN OF ONE WAY CONTINIOUS SLAB
26	5/10/2020	UNIT :- 2 DESIGN OF ONE WAY CONTINIOUS SLAB
27	6/10/2020	UNIT :- 3 DESIGN OF TWO WAY SOLID SLAB
28	8/10/2020	UNIT :- 3 DESIGN OF TWO WAY SOLID SLAB
29	9/10/2020	UNIT :- 3 DESIGN OF TWO WAY SOLID SLAB
30	12/10/2020	UNIT :- 3 DESIGN OF TWO WAY SOLID SLAB
31	13/10/2020	UNIT :- 3 DESIGN OF TWO WAY SOLID SLAB
32	15/10/2020	UNIT :- 3 DESIGN OF TWO WAY SOLID SLAB

33	16/10/2020	UNIT :- 5 DESIGN OF ISOLATED FOOTING (SQUARE)
34	19/10/2020	UNIT :- 5 DESIGN OF ISOLATED FOOTING (SQUARE)2
35	20/10/2020	UNIT :- 5 DESIGN OF ISOLATED FOOTING (SQUARE)3
36	22/10/2020	UNIT :- 5 DESIGN OF ISOLATED FOOTING (RECTANGLE)
37	23/10/2020	UNIT :- 5 DESIGN OF ISOLATED FOOTING (RECTANGLE)2
38	26/10/2020	UNIT :- 5 DESIGN OF ISOLATED FOOTING (RECTANGLE)3
39	27/10/2020	UNIT :- 5 DESIGN OF COLOUMN BY UNIAXAILLY BENDING
40	2/11/2020	UNIT :- 5 DESIGN OF COLOUMN BY UNIAXAILLY BENDING 2
41	3/11/2020	UNIT :- 5 DESIGN OF COLOUMN BY AXIAL LOAD,EARTHQUAKE DETAILING
42	5/11/2020	UNIT :- 6 DESIGN OF COLOUMN BY AXIAL LOAD,EARTHQUAKE DETAILING 2
43	6/11/2020	UNIT :- 6 DETAILING OF EARTHQUAKE RESISTANCE STRUCTURE
44	17/11/2020	UNIT :- 6 DETAILING OF EARTHQUAKE RESISTANCE EARTHQUAKE STRUCTURE,DUCTILE DETAIL
45	19/11/2020	UNIT :- 6 DETAILING OF EARTHQUAKE RESISTANCE STRUCTURE 2
46	20/11/2020	UNIT :- 6 DESIGN OF GRID SLAB
47	26/11/2020	UNIT :- 6 DESIGN OF GRID SLAB
48	27/11/2020	UNIT :- 6 DESIGN OF GRID SLAB
49	1/12/2020	UNIT :- 6 DESIGN OF GRID SLAB

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. P.S.Deshmukh **Subject** **Code: 5CE01**

Section: C

Subject Name: BPCAD **Semester: V** **Year: Second**
Year

Sr. No	Date	Topics Covered
1	17/08/2020	Unit 1: Introduction: Importance of building drawing for Civil Engineering.
2	18/08/2020	Method of drawing – Selection of scales for various drawings
3	19/08/2020	Abbreviations & graphical symbols used in Civil Engineering Drawing
4	24/08/2020	Combined first angle & third angle method of projection.
5	25/08/2020	Layout of sheet for civil engineering drawing,
6	26/08/2020	Requirements of drawing as per plan sanctioning authorities.
7	31/08/2020	Unit 2: Concept of line plan & working drawings of the building.
8	01/09/2020	Developing working drawings of the building from the given line plan
9	02/09/2020	Necessity and use of working drawing.
10	07/09/2020	Concept of site plan, block plan and layout plan. Importance and
11	08/09/2020	Developing working drawing and foundation plan for load
12	09/09/2020	Unit 3: Planning of residential building. Introduction, general principles.
13	15/09/2020	Planning of residential building. Introduction, general principles.
14	21/09/2020	Temperature Climate and design consideration. Orientation of buildings

15	22/09/2020	Requirement of the owner, alternatives of building types.
16	23/09/2020	Common utilities such as parking, security, water supply, sanitation
17	28/09/2020	Criteria for earthquake resistant planning of building.
18	29/09/2020	Criteria for earthquake resistant planning of building.
19	05/10/2020	Unit 4: Concept of line plan, working drawing and submission drawing.
20	06/10/2020	Concept of site plan, block plan and layout plan
21	07/10/2020	Concept of foundation plan and use.
22	19/10/2020	Types of public building and their requirements, planning of public.
23	20/10/2020	Preparing line plans of different public buildings such as schools,
24	21/10/2020	Free-hand sketch
25	2/11/2020	Developing working and submission drawing of load bearing and frame structural building.
26	3/10/2020	Developing working and submission drawing of load bearing and frame structural building.
27	4/10/2020	Developing working and submission drawing of load bearing and frame structural building.

Prof. Ram Meghe Institute of Technology & Research Badnera
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(Odd Semester 2020 - 2021)

Execution Plan

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

Sr. No.	Date	Topics Covered
1	17/08/2020	Unit I: Field exploration, objectives and methods of exploration
2	18/08/2020	Planning of exploration programme soil boring
3	20/08/2020	Hand augers, percussion boring, rotary wash boring, collection of sample
4	21/08/2020	Split spoon sampler, area ratio, disturbed and undisturbed sample
5	24/08/2020	SPT test, field vane shear test,
6	25/08/2020	Geophysical methods, electrical resistivity and soil refraction methods
7	27/08/2020	Soil log bore presentation and interpretation exploration data. Ground improvement techniques
8	28/08/2020	Numericals
9	31/08/2020	Numericals
10	01/09/2020	Unit II: Bearing capacity and concept of local and general shear failure
11	03/09/2020	Terzaghi's and Skempton's Theory of BC
12	04/09/2020	Meyerhof's and BIS method for bearing capacity
13	07/09/2020	Determination bearing capacity of granular soils based on SPT value
14	08/09/2020	Concept of raft foundation and floating foundation
15	10/09/2020	In situ methods of evaluation of bearing capacity
16	11/09/2020	Plate load test, static cone penetrometer
17	14/09/2020	Pressure meter test contact pressure distribution diagram below the base of footing
18	15/09/2020	Numericals
19	17/09/2020	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	18/09/2020	Influence of surcharge, water table, wall friction
21	21/09/2020	Rebhann's and Culmann's simple graphical methods
22	22/09/2020	Introduction to sheet pile and bulkhead and their classifications
23	24/09/2020	(No design criteria) Cofferdam purpose, various types and their suitability.
24	25/09/2020	Numericals
25	28/09/2020	Numericals
26	29/09/2020	Unit IV: Classification of piles and their uses
27	01/10/2020	Static analysis
28	05/10/2020	Dynamic analysis
29	06/10/2020	Piles in group and their capacity, group efficiency, factors affecting group efficiency
30	08/10/2020	Behaviour of group of pile in sandy and in clayey soil, pile load test, effect of pile cap
31	09/10/2020	Criteria for spacing and depth of piles. IS design criterion for undreamed Pile in clay and sands
32	15/10/2020	Numericals
33	16/10/2020	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	19/10/2020	Concept of differential settlement factors and causes for differential settlement, BIS requirement for total as well as differential settlement
35	20/10/2020	Proportioning of footing for uniform settlement
36	22/10/2020	Computation of total and differential settlement of a single pile and group of piles in sandy and clayey soil.
37	23/10/2020	Numericals
38	26/10/2020	Unit VI: Component & their function, sinking of well, types of force system, and their computation
39	27/10/2020	Design criteria for various components of wells

40	29/10/2020	Tilting and shifting Bearing capacity of well as per BIS.
41	02/11/2020	Stability analysis of infinite and finite slope, causes of failure of slopes
42	03/11/2020	Stability analysis of infinite and finite slope in cohesive and non-cohesive soils
43	05/11/2020	Taylor's stability number, Friction circle method and Swedish circle
44	06/11/2020	Numericals

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Odd Semester 2020 - 2021)

Execution Plan

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

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

Sr. No.	Date	Topics Covered
1	17/08/2020	Unit I: Field exploration, objectives and methods of exploration
2	18/08/2020	Planning of exploration programme soil boring
3	20/08/2020	Hand augers, percussion boring, rotary wash boring, collection of sample
4	21/08/2020	Split spoon sampler, area ratio, disturbed and undisturbed sample
5	24/08/2020	SPT test, field vane shear test,
6	25/08/2020	Geophysical methods, electrical resistivity and soil refraction methods
7	27/08/2020	Soil log bore presentation and interpretation exploration data. Ground improvement techniques
8	28/08/2020	Unit II: Bearing capacity and concept of local and general shear failure
9	31/08/2020	Terzaghi's and Skempton's Theory of BC
10	03/09/2020	Meyerhof's and BIS method for bearing capacity
11	04/09/2020	Determination bearing capacity of granular soils based on SPT value
12	07/09/2020	Concept of raft foundation and floating foundation
13	08/09/2020	In situ methods of evaluation of bearing capacity
14	10/09/2020	Plate load test, static cone penetrometer
15	11/09/2020	Pressure meter test contact pressure distribution diagram below the base of footing
16	14/09/2020	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

17	15/09/2020	Influence of surcharge, water table, wall friction
18	16/09/2020	Rebhann's and Culmann's simple graphical methods
19	18/09/2020	Introduction to sheet pile and bulkhead and their classifications
20	21/09/2020	(No design criteria) Cofferdam purpose, various types and their suitability.
21	22/09/2020	Unit IV: Classification of piles and their uses
22	23/09/2020	Static analysis
23	24/09/2020	Dynamic analysis
24	29/09/2020	Piles in group and their capacity, group efficiency, factors affecting group efficiency
25	01/10/2020	Behaviour of group of pile in sandy and in clayey soil, pile load test, effect of pile cap
26	06/10/2020	Criteria for spacing and depth of piles. IS design criterion for underreamed Pile in clay and sands
27	08/10/2020	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
28	09/10/2020	Concept of differential settlement factors and causes for differential settlement, BIS requirement for total as well as differential settlement
29	12/10/2020	Proportioning of footing for uniform settlement
30	15/10/2020	Computation of total and differential settlement of a single pile and group of piles in sandy and clayey soil.
31	16/10/2020	Unit VI: Component & their function, sinking of well, types of force system, and their computation
32	19/10/2020	Design criteria for various components of wells
33	20/10/2020	Tilting and shifting Bearing capacity of well as per BIS.
34	22/10/2020	Stability analysis of infinite and finite slope, causes of failure of slopes
35	03/11/2020	Stability analysis of infinite and finite slope in cohesive and non-cohesive soils

36	05/11/2020	Taylor's stability number, Friction circle method and Swedish circle
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Prof. Ram Meghe Institute of Technology & Research Badnera
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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	17/08/20	Basic Introduction
2	18/08/20	Introduction To LSM & WSM
3	20/08/20	Introduction To LSM & WSM-1
4	24/08/20	Introduction To Plastic Analysis-1
5	25/08/20	Introduction To Plastic Analysis-2
6	27/08/20	Introduction To Plastic Analysis-3
7	31/08/20	Design of Bolted Connection-1
8	2/09/20	Design of Bolted Connection-2
9	3/09/20	Design of Bolted Connection-3
10	7/09/20	Design of Bolted Connection-4
11	8/09/20	Design of Bolted Connection-5
12	9/09/20	Design of Bolted Connection-6
13	10/09/20	Design of Bolted Connection-7
14	14/09/20	Design of Welded Connection-1
15	15/09/20	Design of Welded Connection-2
16	16/09/20	Design of Welded Connection-3
17	21/09/20	Design of Welded Connection-4
18	22/09/20	Design of Welded Connection-5
19	23/09/20	Design of Welded Connection-6
20	24/09/20	Design of Slab Base-1
21	28/09/20	Design of Slab Base-2
22	29/09/20	Design of Slab Base-3
23	30/09/20	Design of Slab Base-4
24	1/10/20	Design of Slab Base-5
25	5/10/20	Design of Gusseted Base-1
26	6/10/20	Design of Gusseted Base-2
27	7/10/20	Design of Gusseted Base-3

28	8/10/20	Design of Gusseted Base-4
29	12/10/20	Design of Gusseted Base-5
30	13/10/20	Design of Simple Beam-1
31	14/10/20	Design of Simple Beam-2
32	19/10/20	Design of Simple Beam-3
33	20/10/20	Design of Simple Beam-4
34	21/10/20	Design of Compound Beam-1
35	22/10/20	Design of Compound Beam-2
36	3/11/20	Design of Compound Beam-3
37	4/11/20	Design of Compound Beam-4
38	5/11/20	Design of Compound Beam-5
39	23/11/20	Design of Tension Member-1
40	24/11/20	Design of Tension Member-2
41	25/11/20	Design of Tension Member-3
42	26/11/20	Design of Compression Member-1
43	2/12/20	Design of Compression Member-2
44	3/12/20	Design of Column-1
45	4/12/20	Design of Column-2

Prof. Ram Meghe Institute of Technology & Research Badnera
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Execution Plan

Name of Faculty: **Dr. N. P. Kataria** Subject Code: **7CE01** Section: **A**

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

Sr. No	Date	Topics Covered
1	18-08-20	Unit 1: Introduction to TOS II
2	20-08-20	Basics of SFD, BMD, Steel Structure
3	21-08-20	Stress-Strain Behavior of steel
4	25-08-20	Introduction to plastic analysis
5	27-08-20	Shape Factor
6	28-08-20	Shape factor for composite section
7	02-09-20	Plastic moment analysis
8	04-09-20	Plastic moment analysis of Cont. Beam 1
9	08-09-20	Plastic moment analysis of Cont. Beam 2
10	09-09-20	Plastic moment analysis of Cont. Beam 3
11	10-09-20	Plastic moment analysis of Portal frame
12	11-09-20	Unit 2: Introduction to MDM
13	14-09-20	Analysis of Frame using MDM for Sway 1
14	15-09-20	Analysis of Frame using MDM for Sway 1_2
15	16-09-20	Analysis of Frame using MDM for Sway 2

16	18-09-20	Analysis of Frame using MDM for Sway 3
17	21-09-20	Analysis of Frame using MDM for Sway 4
18	22-09-20	Sway analysis using Slope deflection method
19	23-09-20	Sway analysis using Slope deflection method example 1
20	24-09-20	Sway analysis using Slope deflection method example 2
21	25-09-20	Sway analysis using Slope deflection method example 3
22	29-09-20	Unit 3: Introduction to Kani's Method
23	30-09-20	Analysis of continuous beam using Kani's Method example 1
24	01-10-20	Analysis of continuous beam using Kani's Method example 2
25	06-10-20	Analysis of continuous beam using Kani's Method example 3
26	07-10-20	Analysis of Portal frame using Kani's Method example 1, 2
27	08-10-20	Analysis of symmetric Portal frame using Kani's Method example 1
28	13-10-20	Analysis of symmetric Portal frame using Kani's Method example 2
29	14-10-20	Analysis of symmetric Portal frame using Kani's Method example 3
30	15-10-20	Analysis of symmetric Portal frame using Kani's Method example 4
31	21-10-20	Analysis of Portal frame using subjected to

		sway Kani's Method example
32	22-10-20	Unit 4: Introduction to Matrix Method
33	23-10-20	Analysis using Stiffness method
34	03-11-20	Analysis of Continuous beam using stiffness method
35	04-11-20	Problems on Continuous beam
36	05-11-20	Problems on Portal frames
37	06-11-20	Problems on Portal frames
38	24-11-20	Unit 5: Introduction to castigliano's theorems
39	25-11-20	Analysis of portal frame using castigliano's theorem
40	26-11-20	Analysis of portal frame using castigliano's theorem
41	27-11-20	Analysis of 2D Truss using castigliano's theorem
42	02-12-20	Analysis of 2D truss using castigliano's theorem
43	03-12-20	Unit 6: Introduction to Tension coefficient method
44	04-12-20	Analysis of 3D Truss using Tension coefficient method
45	08-12-20	Analysis of 3D Truss using Tension coefficient method 2
46	09-12-20	Analysis of 3D Truss using Tension coefficient method 3

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Execution Plan

Name of Faculty: Dr. M V Mohod

Subject Code: 7CE01

Section: Section A

Subject Name: Theory of Structure - II

Semester: VII

Year: Final Year

Sr.No	Date	Topics Covered
1	22/06/2019	Unit 1: Introduction to TOS II/ Introduction to MDM
2	24/06/2019	Analysis of Frame using MDM for Sway 1_0
3	2/7/2019	Analysis of Frame using MDM for Sway 1
4	2/7/2019	Analysis of Frame using MDM for Sway 1_2
5	3/7/2019	Analysis of Frame using MDM for Sway 2
6	4/7/2019	Analysis of Frame using MDM for Sway 3
7	5/7/2019	Analysis of Frame using MDM for Sway 4
8	6/7/2019	Sway analysis using Slope deflection method
9	8/7/2019	Sway analysis using Slope deflection method example 1
10	9/7/2019	Sway analysis using Slope deflection method example 2
11	10/7/2019	Sway analysis using Slope deflection method example 3
12	11/7/2019	Unit 2: Stress-Strain Behavior of steel
13	13-07-2019	Introduction to plastic analysis
14	15-07-2019	Shape Factor
15	24-07-2019	Shape factor for composite section
16	27-07-2019	Plastic moment analysis
17	29-07-2019	Plastic moment analysis of Cont. Beam 1
18	1/8/2019	Plastic moment analysis of Cont. Beam 2

19	1/8/2019	Plastic moment analysis of Cont. Beam 3
20	2/8/2019	Plastic moment analysis of Portal frame
21	2/8/2019	Plastic moment analysis of Portal frame
22	5/8/2019	Unit 3: Introduction to Kani's Method
23	5/8/2019	Analysis of continuous beam using Kani's Method example 1
24	8/8/2019	Analysis of continuous beam using Kani's Method example 2
25	19-08-2019	Analysis of continuous beam using Kani's Method example 3
26	19-08-2019	Analysis of Portal frame using Kani's Method example 1, 2
27	22-08-2019	Analysis of symmetric Portal frame using Kani's Method example 1
28	26-08-2019	Analysis of symmetric Portal frame using Kani's Method example 2
29	26-08-2019	Analysis of symmetric Portal frame using Kani's Method example 3
30	27-08-2019	Analysis of symmetric Portal frame using Kani's Method example 4
31	29-08-2019	Analysis of Portal frame using subjected to sway Kani's Method example
32	4/9/2019	Unit 4: Introduction to Matrix Method
33	10/9/2019	Analysis using Stiffness method
34	12/9/2019	Analysis of Continuous beam using stiffness method
35	16-09-2019	Problems on Continuous beam
36	16-09-2019	Problems on Portal frames
37	18-09-2019	Problems on Portal frames
38	19-09-2019	Unit 5: Introduction to Castiglione's theorems
39	20-10-2019	Analysis of portal frame using Castiglione's theorem
40	23-09-2019	Analysis of portal frame using castigliano's theorem
41	24-09-2019	Analysis of 2D Truss using castigliano's theorem
42	26-09-2019	Analysis of 2D truss using castigliano's theorem
43	30-09-2019	Unit 6: Introduction to Tension coefficient method
44	30-09-2019	Analysis of 3D Truss using Tension coefficient method
45	1/10/2019	Analysis of 3D Truss using Tension coefficient method 2

46	3/10/2019	Analysis of 3D Truss using Tension coefficient method 3
47	5/10/2019	Analysis of 3D Truss using Tension coefficient method 4

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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	17/08/2020	Unit-I :Moment distribution method, application to portal frames with sway
2	18/08/2020	Multibay, multistoried, symmetrical
3	21/08/2020	Problem 3
4	24/08/2020	Problem 4
5	28/08/2020	Problem 5
6	31/08/2020	Problem 6
7	02/09/2020	Problem 7
8	04/09/2020	Slope deflection method: Application to portal frames with side sway.
9	07/09/2020	Problem 1
10	08/09/2020	Problem 2
11	09/09/2020	Problem 3
12	11/09/2020	Problem 4
13	14/09/2020	Unit-II : 1. Kani's method: Continuous beams
14	15/09/2020	single bay single storey portal frames with side sway
15	16/09/2020	Multi- bay
16	18/09/2020	multi storeyed frames subjected to symmetric loads Problem 1
17	21/09/2020	multi storeyed frames subjected to symmetric loads Problem 2

18	22/09/2020	multi storeyed frames subjected to symmetric loads Problem 3
19	23/09/2020	multi storeyed frames subjected to symmetric loads Problem 4
20	25/09/2020	multi storeyed frames subjected to symmetric loads Problem 5
21	28/09/2020	Unit-III : Castigliano's second theorem, principle of least work
22	29/09/2020	Analysis of redundant frames. (upto two degree redundancy) Problem 1
23	30/09/2020	Analysis of redundant frames. (upto two degree redundancy) Problem 2
24	05/10/2020	Analysis of redundant frames. (upto two degree redundancy) Problem 3
25	06/10/2020	Analysis of redundant frames. (upto two degree redundancy) Problem 4
26	07/10/2020	Analysis of redundant trusses (up to second degree of redundancy). Problem 1
27	09/10/2020	Analysis of redundant trusses (up to second degree of redundancy). Problem 2
28	12/10/2020	Analysis of redundant trusses (up to second degree of redundancy). Problem 3
29	13/10/2020	Unit-IV:1. Muller - Breslau's principle
30	14/10/2020	Influence line diagrams for continuous beams, upto two span with simple end supports
31	16/10/2020	Tension coefficient method & its applications to simple space trusses Problem 1
32	19/10/2020	Tension coefficient method & its applications to simple space trusses Problem 2
33	21/10/2020	Tension coefficient method & its applications to simple space trusses Problem 3

34	23/10/2020	Tension coefficient method & its applications to simple space trusses Problem 4
35	03/11/2020	Unit-V : Flexibility method, static redundancy, flexibility
36	04/11/2020	compatibility condition application to beams
37	05/11/2020	Introduction to plastic analysis of steel structure, shape factor, plastic section modulus
38	06/11/2020	upper and lower bound
39	23/11/2020	collapse loads for beams
40	24/11/2020	collapse loads for single bay
41	25/11/2020	collapse loads for single storey portals
42	27/11/2020	Unit-VI :Stiffness method
43	02/12/2020	kinematic redundancy
44	04/12/2020	stiffness coefficients, direct stiffness approach
	05/12/2020	application to continuous beams Problem 1
46	07/12/2020	application to continuous beams Problem 2
47	08/12/2020	application to continuous beams Problem 3
48	09/12/2020	single – bay Problem 1
49	14/12/2020	single – bay Problem 2
50	15/12/2020	single - storey portal frame Problem 1
51	16/12/2020	single - storey portal frame Problem 2
52	21/12/2020	single - storey portal frame Problem 3

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(Odd Semester 2020-2021)

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

Sr. No	Date	Topics Covered
1	17/08/2020	Introduction of steel structures
2	18/08/2020	Introduction of steel structures
3	21/08/2020	Basic of Strength of material
4	24/08/2020	Basic of Strength of material
5	25/08/2020	Working stress method
6	28/08/2020	Ultimate load method
7	31/08/2020	Plastic analysis
8	02/09/2020	Design of connection
9	03/09/2020	Design of connection
10	04/09/2020	Design of connection
11	07/09/2020	Design of connection
12	08/09/2020	Design of connection
13	09/09/2020	Welded connection
14	11/09/2020	Welded connection
15	14/09/2020	Design of compression member
16	15/09/2020	Design of compression member
17	15/09/2020	Design of compression member
18	16/09/2020	Design of compression member
19	18/09/2020	Design of compression member
20	21/09/2020	Compound column
21	22/09/2020	Lacing design
22	22/09/2020	Design of tension member
23	23/09/2020	Design of tension member

24	25/09/2020	Design of tension member
25	28/09/2020	Design of tension member
26	29/09/2020	Calculation of wind load
27	30/09/2020	Calculation of wind load
28	05/10/2020	Numerical problem on wind load
29	06/10/2020	Numerical problem on wind load
30	07/10/2020	Numerical problem on wind load
31	09/10/2020	Numerical problem on wind load
32	13/10/2020	Design of slab base
33	14/10/2020	Numerical problem on slab base
34	16/10/2020	Gusseted base
35	19/10/2020	Gusseted base
36	20/10/2020	Gusseted base
37	21/10/2020	Gusseted base
38	23/10/2020	Gusseted base
39	03/11/2020	Gusseted base Subjected to moment (beyond syllabus)
40	04/11/2020	Design of beam
41	06/11/2020	Design of beam
42	06/11/2020	Design of beam
43	23/11/2020	Design of beam
44	24/11/2020	Design of beam
45	25/11/2020	Design of beam
46	27/11/2020	Compound beam
47	02/12/2020	Compound beam
48	04/12/2020	Assignment and revision

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Execution Plan

Name of Faculty: Prof. H. P. Nistane Subject Code: 7CE04 Section: C
Subject Name: Environmental Engineering –I Semester: VII Year: Final Year

Sr. No	Date	Topics Covered
1	17/8/2020	Design Period & Factors affecting it
2	18/8/2020	Population Forecasting, Arithmetic method ,Geometric Increase Method
3	21/8/2020	Numerical On population Forecasting
4	24/8/2020	Sources: Surface Source & Ground Water sources
5	25/8/2020	Water quality: Impurities in water, their effects and significance
6	27/8/2020	Collection of water samples. Water analysis physical
7	28/8/2020	chemical and bacteriological water analysis
8	3/9/2020	Water Quality , Impurities in water
9	4/9/2020	Effects & Significance of water borne diseases
10	7/9/2020	Water Quality Std. WHO & IS for drinking water, Water
11	8/9/2020	Flow Diagram Of WTP
12	10/9/2020	Aeration , Types of aeration
13	11/9/2020	Trickling Bed Aeration, Sedimentation tank
14	14/9/2020	Sedimentation Tank - Circular Sedimentation tank
15	15/9/2020	Up & Down Baffle Tank (Plain Sedimentation tank)
16	17/9/2020	Sedimentation With Coagulation, Jar Test, Wet Feeding Devices
17	18/9/2020	Design Of sedimentation Tank,Problems On Sedimentation tank

18	21/9/2020	Mixing Devices: 1) Flash Mixer, Mixing Devices 2) Baffle wall mixing
19	22/9/2020	Expression for Settling velocity particles.
20	24/9/2020	Filtration , Theory of Filtration
21	25/9/2020	Rapid Sand filter . comparison between slow sand &
22	28/9/2020	Pressure Filter. problem on slow sand
23	29/9/2020	Other types of filters..1)roughing & double filtration
24	1/10/2020	Disinfection Introduction
25	5/10/2020	Methods of Disinfection
26	6/10/2020	Behavior of chlorine & types of chlorine
27	15/10/2020	Introduction to tertiary treatments like Softening
28	16/10/2020	Ion Exchange, Reverse Osmosis, Defloridation,
29	19/10/2020	Distribution system requirement , water supply system
30	20/10/2020	Pumping and combined gravity and pumping,
31	22/10/2020	Dead end, Grid iron, Circular system and Radial system
32	24/10/2020	Equalising storage, Type of storage reservoirs, capacity

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(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. M.A.Banarase

Subject Code:7CE03

Section: B

Subject Name: Design of Steel Structures

Semester: VII

Year: Final Year

Sr. No	Date	Topics Covered
1	17/08/2020	Introduction of steel structures
2	19/08/2020	Introduction of steel structures
3	20/08/2020	Basic of Strength of material
4	21/08/2020	Basic of Strength of material
5	24/08/2020	Working stress method
6	26/08/2020	Ultimate load method
7	37/08/2020	Plastic analysis
8	08/09/2020	Design of connection
9	02/09/2020	Design of connection
10	03/09/2020	Design of connection
11	04/09/2020	Design of connection
12	07/09/2020	Design of connection
13	09/09/2020	Welded connection
14	10/09/2020	Welded connection
15	11/09/2020	Design of compression member
16	14/09/2020	Design of compression member
17	16/09/2020	Design of compression member
18	17/09/2020	Design of compression member
19	18/09/2020	Design of compression member

20	21/09/2020	Compound column
21	23/09/2020	Lacing design
22	24/09/2020	Design of tension member
23	25/09/2020	Design of tension member
24	28/09/2020	Design of tension member
25	29/09/2020	Design of tension member
26	30/09/2020	Calculation of wind load
27	1/10/2020	Calculation of wind load
28	05/10/2020	Numerical problem on wind load
29	07/10/2020	Numerical problem on wind load
30	08/10/2020	Numerical problem on wind load
31	09/10/2020	Numerical problem on wind load
32	12/10/2020	Design of slab base
33	14/10/2020	Numerical problem on slab base
34	15/10/2020	Gusseted base
35	16/10/2020	Gusseted base
36	19/10/2020	Gusseted base
37	21/10/2020	Gusseted base
38	22/10/2020	Gusseted base
39	23/10/2020	Gusseted base Subjected to moment (beyond syllabus)
40	26/10/2020	Design of beam
41	28/10/2020	Design of beam
42	29/10/2020	Design of beam
43	2/11/2020	Design of beam
44	4/11/2020	Design of beam
45	5/11/2020	Design of beam

46	6/11/2020	Compound beam
47	09/11/2020	Compound beam

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(Odd Semester 2020-2021)
Execution Plan

Name of Faculty: Prof. H. P. Nistane **Subject Code: 7CE04** **Section: C**
Subject Name: Environmental Engineering –I **Semester: VII** **Year: Final Year**

Sr. No	Date	Topics Covered
1	17/8/2020	Design Period & Factors affecting it
2	18/8/2020	Population Forecasting, Arithmetic method ,Geometric Increase Method
3	21/8/2020	Numerical On population Forecasting
4	24/8/2020	Sources: Surface Source & Ground Water sources
5	25/8/2020	Water quality: Impurities in water, their effects and significance
6	27/8/2020	Collection of water samples. Water analysis physical
7	28/8/2020	chemical and bacteriological water analysis
8	3/9/2020	Water Quality , Impurities in water
9	4/9/2020	Effects & Significance of water borne diseases
10	7/9/2020	Water Quality Std. WHO & IS for drinking water, Water analysis
11	8/9/2020	Flow Diagram Of WTP
12	10/9/2020	Aeration , Types of aeration
13	11/9/2020	Trickling Bed Aeration, Sedimentation tank
14	14/9/2020	Sedimentation Tank - Circular Sedimentation tank
15	15/9/2020	Up & Down Baffle Tank (Plain Sedimentation tank)
16	17/9/2020	Sedimentation With Coagulation, Jar Test, Wet Feeding Devices
17	18/9/2020	Design Of sedimentation Tank,Problems On Sedimentation tank

18	21/9/2020	Mixing Devices: 1) Flash Mixer, Mixing Devices 2) Baffle wall mixing
19	22/9/2020	Expression for Settling velocity particles.
20	24/9/2020	Filtration , Theory of Filtration
21	25/9/2020	Rapid Sand filter . comparison between slow sand & rapid sand
22	28/9/2020	Pressure Filter. problem on slow sand
23	29/9/2020	Other types of filters..1)roughing & double filtration 2)Upflow filt
24	1/10/2020	Disinfection Introduction
25	5/10/2020	Methods of Disinfection
26	6/10/2020	Behavior of chlorine & types of chlorine
27	15/10/2020	Introduction to tertiary treatments like Softening
28	16/10/2020	Ion Exchange, Reverse Osmosis, Defloridation, Desalination
29	19/10/2020	Distribution system requirement , water supply system & layout
30	20/10/2020	Pumping and combined gravity and pumping,
31	22/10/2020	Dead end, Grid iron, Circular system and Radial system
32	24/10/2020	Equalising storage, Type of storage reservoirs, capacity

Execution Plan

Name of Faculty: Prof. R. V. Langote

Subject Code: 6CE0 (CBCS)

Section: A

Subject Name: Water Resource Engineering – I

Semester: VI

Year: Third Year

Sr. No.	Date	Topics Covered
1	25/01/2021	Unit I: Estimation of average rain gauge stations, Problems on avg rainfall Estimation
2	27/01/2021	Estimation of missing rainfall data, intensity frequency duration relation
3	28/01/2021	Yield of an open well, Recuperation test constant pumping level test
4	01/02/2021	Unit II: Evaporation: Process, factors affecting, measurement and estimation
5	03/02/2021	Infiltration: Process, factors affecting, measurement, Infiltration
6	24/02/2021	Unit III: Run-off: Factors affecting, estimation of runoff, Rainfall- Runoff coefficient
7	25/02/2021	Floods: Flood classification, importance, estimation of flood,
8	25/02/2021	Floods: Flood classification, importance, estimation of flood,
9	01/03/2021	Hydrographs: Typical flood hydrograph, base flow separation, unit hydrograph
10	02/03/2021	Problems on unit hydrograph
11	03/03/2021	Problems on flood hydrograph
12	04/03/2021	problems on hydrograph using S-Curve method
13	08/03/2021	Unit IV: Introduction to irrigation engineering, defect or ill effect of irrigation
14	10/03/2021	Necessity & advantages of irrigation
15	15/03/2021	Properties of soil & types of soil, types of soil & soil moisture classification
16	08/04/2021	Minor irrigation work, Bandhara irrigation work
17	15/04/2021	Percolation tank, flow & lift irrigation

18	19/04/2021	Unit V: Crop water requirement, Relation between delta, duty & base period
19	22/04/2021	Principal of crops, command area definition
20	29/04/2021	Gross command area, culturable command area & some other definitions
21	03/05/2021	Problems on irrigation
22	05/05/2021	Consumptive Use of Water & its Estimation and problems
23	06/05/2021	Irrigation methods, surface irrigation methods
24	11/05/2021	Irrigation methods- surface irrigation - free flooding, check flooding
25	12/05/2021	Unit VI: Ground Water, Ground water parameters, Derivation on confined aquifer
26	12/05/2021	Derivation on Unconfined Aquifer, Problems on aquifer
27	13/05/2021	Water Harvesting - Introduction, Methods, Elements of Rain Water harvesting

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. A.S.Deshmukh

Subject Code: Section: A

Subject Name: Estimating & Costing

Semester: VI

(EVEN) Year: Third

Sr. No.	Date	Topics Covered
1	19/1/2021	UNIT 1:- Purpose of estimate
2	20/1/2021	UNIT 1:- Mode of measurement and unit as per IS 1200
3	21/1/2021	UNIT 1:- Data required for estimate, Current rates of material and labor as per
4	22/1/2021	UNIT 1:- Specification: their purpose, principal and type, Types of estimate, A
5	27/1/2021	UNIT 1:- Specification: their purpose, principal and type, Types of estimate, A
6	28/1/2021	UNIT 1:- Problem on 4 room for measurement only
7	29/1/2021	UNIT 1:- Problem on 4 room for measurement only
8	1/2/2021	UNIT 1:- Problem on 4 room for measurement only.
9	3/2/2021	UNIT 2 :- Purpose, principal and importance of Schedule of Rate in cost estimate
10	4/2/2021	UNIT 2 :- Rec. from N>B>O> for task work, No. of workman, etc, Schedule of rate.
11	8/2/2021	UNIT 2 :- rate analysis with transportation cost
12	9/2/2021	UNIT 2 :- rate analysis with transportation cost
13	10/2/2021	UNIT 2 :- rate analysis with transportation cost
14	11/2/2021	UNIT 2 :- Workout the quantity of material.
15	15/2/2021	UNIT 2 :- Workout the quantity of material.
16	17/2/2021	UNIT 2 :- Revision, discussion and solve previous year question papers.
17	18/2/2021	UNIT 2 :- Methods of detail estimate, forms use
18	22/2/2021	UNIT 3 :- Detail estimate of building
19	23/2/2021	UNIT 3 :- Detail estimate of building
20	24/2/2021	UNIT 3 :- Detail estimate of building
21	25/2/2021	UNIT 3 :- Detail estimate of building
22	2/3/2021	UNIT 3 :- Detail estimate of building
23	3/3/2021	UNIT 4 :- Earth work: Road

24	4/3/2021	UNIT 4 :- Earth work: Road
25	5/3/2021	UNIT 4 :- Earth work: Road
26	9/3/2021	UNIT 4 :- Earth work: Road
27	10/3/2021	UNIT 4 :- Earth work: Road
28	12/3/2021	UNIT 4 :- Earth work: Earthen Dam
29	16/3/2021	UNIT 4 :- Revision, discussion and solve previous year question papers
30	17/3/2021	UNIT 5 :- Purpose of valuation, Market value
31	18/3/2021	UNIT 5 :- value & cost, sentimental value
32	19/3/2021	UNIT 5 :- Scrap value, potential value, etc
33	23/3/2021	UNIT 5 :- Annualized value, capitalised value
34	24/3/2021	UNIT 5 :- free hold & lease hold property
35	25/3/2021	UNIT 5 :- Net and gross return, guilt adged security
36	26/3/2021	UNIT 6 :- Organisation, site administration.
37	30/3/2021	UNIT 6 :- Labour contracts, BOT, Rules of gov. deptt. as a construction agency.
38	31/3/2021	UNIT 6 :- Arranging works.
39	1/4/2021	UNIT 6 :- Indian contract law and engg. contract. Land acquisition act.

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Execution Plan

Name of Faculty: Prof. Ms. M. S. Mahalle Subject Code: Section: C

Subject Name: Transportation Engineering II Semester: VI Year: Third Year

Sr.No	Date	Topics Covered
		Unit 1
1	18/01/2021	Railway transportation, classification Railway surveying
2	19/01/2021	track standard terminology,

3	20-01-2021	track sections in embankment & cutting,
4	22/01/2021	
1		high speed trains, Traction and tractive resistance
5	25/01/2021	
1		hauling capacity and tractive effort of locomotives,different types of traction.
		Unit-II
6	27-01-2021	Permanent way, requirement, gauges
7	29-01-2021	coning of wheels, components of permanent way
9	01-02-2021	Rail types and functions, defects in Rails
10	02-02-2021	Rail joints, Sleeper density,
11	03-02-2021	Rail fixtures & fastening
12	05-02-2021	Geometric design of railway track, gauge,
13	08-02-2021	gradients, speed, superelevation, cant deficiency
14	09-02-2021	negative superelevation, grade compensation, curves,
15	10-02-2021	Railway accidents and causes.
		Unit-III
16	12-02-2021	Points and crossing Left & right hand turnouts,
17	15-02-2021	design calculations for turnout & cross over,
18	16-02-2021	types of Track junction, long welded rails
19	17-02-2021	Station and yards- types, function
20	22-02-2021	facilities & equipment. Railway signalling and interlocking
21	23-02-2021	objects, classification & types of signals,
22	24-02-2021	control & movement of trains
		Unit-IV
23	26-02-2021	AIRPORT: Development of air transportation in India,
24	01-03-2021	Agencies controlling national & international aviation
25	02-03-2021	Various surveys to be conducted, airport site selection,
26	03-03-2021	Airport drainage, Aeroplane component parts,
27	05-03-2021	Aircraft characteristics. Airport obstructions: Zoning laws,
28	08-03-2021	imaginary surfaces approach and turning zone Runway
29	09-03-2021	Taxiway design: orientation of runway, wind rose diagram,
30	10-03-2021	basic runway length and corrections, runway geometric design standards.
		Unit-V
31	12-03-2021	Airport layout, Terminal area, Terminal area,
32	15-03-2021	unit terminal concept, Apron, Apron layout,
33	16-03-2021	Aircraft parking & Parking system
34	17-03-2021	Visual aids, Airport parking & lighting of runway,
35	19-03-2021	taxiway and other areas Airport traffic control,
36	22-03-2021	need of control aids, instrumental landing systems, accidents in the air
		Unit-VI
37	23-03-2021	TUNNELS: Tunnels necessity, types, tunnel economics, tunnel alignment
38	24-03-2021	tunneling methods in soft soil & hard Rock
39	26-03-2021	Needle beam method, drift method.

40	30-03-2021	Size and shape of tunnels, Tunnel lining, drainage
41	31-03-2021	ventilation & lighting of tunnels.

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(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. S. C. Sagane

Subject Code: 6CE03

Section:

C

Subject Name: Water Resources Engineering - I

Semester: VI

Year: Third Year

Sr. No.	Date	Topics Covered
1	21/01/2021	Unit-I Engineering Hydrology: Definition and its importance, Hydrologic Cycle
2	03/02/2021	Hydrologic Cycle, Hydrologic data, Hydrologic equation
3	24/02/2021	Precipitation: Definition, Forms, Types, Measurement
4	25/02/2021	Rain gauge Network, Estimation of Missing data
5	26/02/2021	Consistency of data, Mean Areal Precipitation
6	03/03/2021	Unit II:Evaporation: Process, factors affecting, measurement and estimation, control of evaporation.
7	04/03/2021	Evapotranspiration:
8	05/03/2021	control of evapotranspiration
9	10/03/2021	Infiltration: Process, factors affecting, measurement, Infiltration indices.
10	12/03/2021	Run-off: Factors affecting, estimation of runoff, Rainfall- Runoff co-relation.
11	08/04/2021	Unit-III Floods: Flood classification, importance
12	09/04/2021	estimation of flood, flood control techniques
13	15/04/2021	Reservoir & channel routine.
14	16/04/2021	Hydrographs: Typical flood hydrograph, base flow separation
15	21/04/2021	Unit hydrograph, S-curve hydrograph

16	22/04/2021	Unit IV: Irrigation Engineering: Necessity and advantages of irrigation, suitability
17	23/04/2021	standards for irrigation water.
18	29/04/2021	Minor Irrigation Works: Necessity and general layout of Bandhara
19	30/04/2021	percolation Tank, design & construction of bridge cum bandharas, cement plus across nala in the water shed of the village.
20	05/05/2021	Lift Irrigation: Necessity and general layout, main components
21	06/05/2021	Unit-V Crop Water Requirements: Principal Indian crop seasons and water requirements for different crops
22	07/05/2021	Duty and Delta, Consumptive use of water and its estimation
23	12/05/2021	Irrigation efficiencies
24	20/05/2021	Irrigation methods: Comparative study of different irrigation methods
25	21/05/2021	basic of drip & sprinkler irrigation, its scope and applicability
26	27/05/2021	Unit VI: Ground water: Aquifer parameters, Well hydraulics for steady and
27	28/05/2021	safe yield and yield
28	01/06/2021	Water Harvesting: Definition, need for water harvesting, water harvesting potentially, elements of typical water
29	02/06/2021	Methods of water harvesting
30	03/06/2021	cost of water harvesting

Prof. Ram Meghe Institute of Technology & Research Badnera
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Execution Plan

Name of Faculty: Prof. P.S.Pajgade Subject Code:6CE02 Section: A

Subject Name: Design of steel R CC & Prestressed Concrete Semester: VI Year: Third Year

S N	DATE	Description
1	18/01/2021	Introduction
2	19/01/2021	General loading
3	20/01/2021	Arrangements of columns and beams
4	22/01/2021	Load distribution
5	25/01/2021	one way slab
6	27/01/2021	one way slab reinforcement
7	29/01/2021	simple structure Problem
8	30/01/2021	General discussion
9	01/02/2021	simple structure Problem
10	02/02/2021	simple structure Problem design of beam
11	03/02/2021	simple structure Problem shear design of beam
12	24/02/2021	simple structure Problem shear design of beam
13	26/02/2021	simple structure Problem shear design of beam & Column
14	01/03/2021	simple structure Problem footing
15	01/03/2021	simple structure Problem footing Extra
16	02/03/2021	other options
17	03/03/2021	Two way slab arrangement
18	05/03/2021	Presentation
19	05/03/2021	Two way slab arrangement
20	08/03/2021	flat slab
21	08/03/2021	Presentation
22	09/03/2021	Flat slab
23	10/03/2021	Flat slab
24	12/03/2021	Flat slab
25	15/03/2021	Flat slab two way shear
26	16/03/2021	Flat slab bending moment
27	09/04/2021	Flat slab bending moment
28	12/04/2021	Flat slab bending moment (Extra RVL)
29	04/12/2021	Flat slab reinforcement detailing
30	16/04/2021	Combined footing
31	18/04/2021	fat slab doubt solving
32	19/04/2021	combined footing
33	20/04/2021	combined footing
34	21/04/2021	combined footing
35	23/04/2021	combined footing
36	30/04/2021	combined footing
37	03/05/2021	combined footing
38	03/05/2021	General discussion on sheet no 1
39	04/05/2021	Cantilever Retaining wall
40	05/05/2021	Cantilever Retaining wall

41	06/05/2021	Cantilever Retaining wall
42	07/05/2021	Counterfort retaining wall
43	10/05/2021	Prestress Concrete
44	10/05/2021	Prestress Concrete(extra)
45	11/05/2021	Prestress Concrete
46	11/05/2021	Prestress Concrete(extra)
47	12/05/2021	loss of prestress
48	17/05/2021	loss of prestress
49	17/05/2021	Stresses in beam
50	18/05/2021	Design of beam
51	18/05/2021	Design of beam
52	19/05/2021	Design of beam + Water tank
53	20/05/2021	Design of water tank

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Execution Plan

Name of Faculty: Prof. V.S.Gohatre Subject Code:6CE02 Section: B

Subject Name: Project Planning & Management Semester: VI Year: Third Year

Sr.No	Date	Topics Covered
		Unit 1
1	18/01/2021	Project, Project Stakeholders, Project life cycle
2	20/01/2021	Conceptual Phase, Planning Phase, Execution Phase, Termination phase.
3	22/01/2021	Concept of feasibility study, Budgeting, Cash Flow
4	25/01/2021	Risk assessment plan. Project planning- Steps, work break down structure
5	27/01/2021	Scheduling. Project Monitoring & Controlling- Concept of Tracking
6	29/01/2021	Reviewing and Rescheduling. Planning Tools: Basic concept of Gantt chart, Bar Chart
7	1/2/2021	Mile stone chart, their advantage, limitations and overcoming measures
		Unit-II
8	3/2/2021	Networking – Activity, Event, dummy Activity,
9	5/2/2021	Fulerson’s numbering rule, Geometrical consideration.
10	8/2/2021	Critical Path Method: Concept, technique, Critical path, Numerical on Time and Floats computation
11	10/2/2021	concept of Updating Network and its numerical for computation.
		Unit-III
12	12/2/2021	PERT: Concept, technique, three time estimates average time,
13	15/02/2021	Critical path, slack computation S.D, Variance,
14	17/02/2021	Probability factor, crash programme, normal and crash cost, normal and crash time
15	22/02/2021	cost slope, Numerical on Probability computation, crashing
		Unit-IV
16	24/02/2021	Concept of resource smoothing and leveling, Cost Curves
17	26/02/2021	Numerical of it. Introduction to Planning
18	1/3/2021	Various stages and process for Work Breakdown structure
19	3/3/2021	planning, scheduling and resource allocation for project by software
20	5/3/2021	One Compulsory assignment for planning
21	8/3/2021	scheduling and resource allocation for construction project using software
		Unit-V
22	10/3/2021	Management- Feyol’s Principal of Management, Functions of management
23	12/3/2021	organization definition, type line, line and staff
24	15/3/2021	functional organization, quality control, ISO
25	17/3/2021	Safety management, construction hazards in multistage building

26	19/03/2021	method of prevention of accident, injury rate
27	22/03/2021	injury severity rate, injury index, National safety council, its role recommendation
28	24/03/2021	Material management, Objective, Functions, Inventory, Need for inventory, ABC, EOQ analysis.
		Unit-VI
29	26/03/2021	Power shovel: Construction, working, Output, factors affecting, cycle time, Problem on Output
30	31/03/2021	payback period of equipments
31	5/4/2021	Dragline: Construction, working, output, factor affecting output
32	8/4/2021	cycle time, Problem on output
33	10/4/2021	Concrete mixer, Tilting and non-tilting type construction working.

Prof. Ram Meghe Institute of Technology & Research Badnera
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(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. V.S.Gohatre Subject Code:6CE02 Section: B

Subject Name: Transportation Engineering 2 Semester: VI Year: Third Year

Sr.No	Date	Topics Covered
		Unit 1
1	18/01/2021	Railway transportation, classification Railway surveying
2	19/01/2021	track standard terminology,
3	21/01/2021	track sections in embankment & cutting,
4	22/01/2021	high speed trains, Traction and tractive resistance
5	25/01/2021	hauling capacity and tractive effort of locomotives,different types of traction.
		Unit-II
6	28/01/2021	Permanent way, requirement, gauges
7	29/01/2021	coning of wheels, components of permanent way
9	1/2/2021	Rail types and functions, defects in Rails
10	2/2/2021	Rail joints, Sleeper density,
11	4/2/2021	Rail fixtures & fastening
12	5/2/2021	Geometric design of railway track, gauge,
13	8/2/2021	gradients, speed, superelevation, cant deficiency
14	9/2/2021	negative superelevation, grade compensation, curves,
15	11/2/2021	Railway accidents and causes.
		Unit-III
16	12/2/2021	Points and crossing Left & right hand turnouts,
17	15/2/2021	design calculations for turnout & cross over,
18	16/02/2021	types of Track junction, long welded rails
19	18/02/2021	Station and yards- types, function
20	22/02/2021	facilities & equipment. Railway signalling and interlocking
21	23/02/2021	objects, classification & types of signals,
22	25/02/2021	control & movement of trains
		Unit-IV
23	26/02/2021	AIRPORT: Development of air transportation in India,
24	1/3/2021	Agencies controlling national & international aviation
25	2/3/2021	Various surveys to be conducted, airport site selection,
26	4/3/2021	Airport drainage, Aeroplane component parts,
27	5/3/2021	Aircraft characteristics. Airport obstructions: Zoning laws,
28	8/3/2021	imaginary surfaces approach and turning zone Runway
29	9/3/2021	Taxiway design: orientation of runway, wind rose diagram,
30	12/3/2021	basic runway length and corrections, runway geometric design standards.
		Unit-V

31	15/3/2021	Airport layout, Terminal area, Terminal area,
32	16/03/2021	unit terminal concept, Apron, Apron layout,
33	18/03/2021	Aircraft parking & Parking system
34	19/03/2021	Visual aids, Airport parking & lighting of runway,
35	22/03/2021	taxiway and other areas Airport traffic control,
36	23/03/2021	need of control aids, instrumental landing systems, accidents in the air
		Unit-VI
37	25/03/2021	TUNNELS: Tunnels necessity, types, tunnel economics, tunnel alignment
38	26/03/2021	tunneling methods in soft soil & hard Rock
39	30/03/2021	Needle beam method, drift method.
40	31/03/2021	Size and shape of tunnels, Tunnel lining, drainage
41	2/4/2021	ventilation & lighting of tunnels.

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(Even Semester 2020 - 2021)

Execution Plan

Name of Faculty: Prof. R. V. Langote Subject Code: 4CE04 (CBCS) Section: A
Subject Name: Geotechnical Engineering – I Semester: IV Year: Second Year

Sr. No.	Date	Topics Covered
1	01/02/2021	Unit I: History of development of soil mechanics, formation of soil, its significance to the field problems

2	06/02/2021	Soil properties and its classification
3	08/02/2021	Definition of soil, soil as a three phase system, weight – volume relationship
4	12/02/2021	Index properties of coarse and fine grained soil
5	20/02/2021	BIS classification of fine grained & coarse grained soil
6	22/02/2021	Numericals
7	26/02/2021	Unit II: Concept of clay mineral, major soil minerals, their structural formation and properties
8	27/02/2021	Mechanics of compaction, factors affecting compaction, different structures of soil
9	01/03/2021	Standard and modified Proctor test, their field Determination, zero air void line, concept of wet of optimum, and dry of optimum,
10	05/03/2021	Field compaction & their control. CBR test and CBR value for soak and unsoaked conditions.
11	06/03/2021	Numericals
12	08/03/2021	Unit III: Concept of absorbed water, surface tension
13	12/03/2021	Capillarity and its effect on Soil properties permeability of soil
14	13/03/2021	Darcy's law and validity, Discharge and seepage velocity, factors affecting Permeability
15	15/03/2021	Determination of coefficient of permeability laboratory and field methods.
16	19/03/2021	Numericals
17	20/03/2021	Permeability for stratified deposits.
18	22/03/2021	Drainage and dewatering of soil and its various methods.
19	26/03/2021	Unit IV: Laplace equation, its derivation in Cartesian co-ordinate system, its application for the computation of discharge seepage
20	03/04/2021	Seepage pressure, Quick sand condition with numericals

21	05/04/2021	Concepts flow net, method to draw flow nets, characteristics and use of flow net
22	10/04/2021	Preliminary problem of discharge, estimation of discharge through homogenous earthen embankment
23	12/04/2021	Numericals
24	16/04/2021	concept of effective neutral and total stress in soil mass, method of arresting seepage
25	17/04/2021	Design Terzaghi's criteria for graded filter, concept of piping and criteria of stability against piping
26	19/04/2021	Unit V: A physical concept of shear strength, Introduction of Mohr's stress diagram
27	20/04/2021	Mohr's failure criteria, Mohr-Coulomb's theory and development of failure envelopes
28	23/04/2021	Unconfined compression test, Laboratory measurement of shear strength for different drainage, conditions by direct shear test
29	24/04/2021	Triaxial test for various drainage conditions Merits and demerits of various shear strength tests.
30	25/05/2021	Concept of pore pressure coefficient shear characteristics of sand, NC and OC clays and partially saturated soil
31	31/05/2021	Influence of soil structure and strain rate on shear strength
32	04/06/2021	Unit VI: State of stress at a point, stress distribution in soil mass
33	07/06/2021	Boussinesq's theory and its applications, point load, uniformly loaded rectangular and circular area
34	09/06/2021	New-mark's chart, its preparation and use, equivalent point load Compression of laterally confined soil, concept of consolidation spring analogy
35	09/06/2021	Terzaghi's theory of one dimensional consolidation
36	11/06/2021	e-p curve, compression index, swelling index, coefficient of compressibility, Consolidometer-test
37	12/06/2021	Determination of Cv Cassagrande's method for

		determination of pre-consolidation pressure.
38	12/06/2021	Numericals

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Execution Plan

Name of Faculty: Prof. P. V. Kolhe Subject Code: 4CE04 (CBCS) Section: C

Subject Name: Geotechnical Engineering – I Semester: IV Year: Final Year

Sr. No.	Date	Topics Covered
1	20/01/2021	Unit I: History of development of soil mechanics, formation of soil, its significance to the field problems
2	21/01/2021	Soil properties and its classification
3	22/01/2021	Definition of soil, soil as a three phase system, weight – volume relationship
4	27/01/2021	Index properties of coarse and fine grained soil
5	28/01/2021	BIS classification of fine grained & coarse grained soil
6	29/01/2021	Numericals
7	03/02/2021	Numericals
8	04/02/2021	Unit II: Concept of clay mineral, major soil minerals, their structural formation and properties
9	05/02/2021	Mechanics of compaction, factors affecting compaction, different structures of soil
10	10/02/2021	Standard and modified Proctor test, their field Determination, zero air void line, concept of wet of optimum, and dry of optimum,
11	11/02/2021	Field compaction & their control. CBR test and CBR value for soak and unsoaked conditions.
12	12/02/2021	Numericals
13	17/02/2021	Numericals
14	18/02/2021	Unit III: Concept of absorbed water, surface tension
15	24/02/2021	Capillarity and its effect on Soil properties

		permeability of soil
16	25/02/2021	Darcy's law and validity, Discharge and seepage velocity, factors affecting Permeability
17	26/02/2021	Determination of coefficient of permeability laboratory and field methods.
18	03/03/2021	Numericals
19	04/03/2021	Permeability for stratified deposits
20	05/03/2021	Drainage and dewatering of soil and its various methods.
21	10/03/2021	Numericals
22	12/03/2021	Unit IV: Laplace equation, its derivation in Cartesian co-ordinate system, its application for the computation of discharge seepage
23	17/03/2021	Seepage pressure, Quick sand condition with numericals
24	18/03/2021	Concepts flow net, method to draw flow nets, characteristics and use of flow net
25	19/03/2021	Preliminary problem of discharge, estimation of discharge through homogenous earthen embankment
26	24/03/2021	Numericals
27	25/03/2021	Concept of effective neutral and total stress in soil mass, method of arresting seepage
28	26/03/2021	Design Terzaghi's criteria for graded filter, concept of piping and criteria of stability against piping
29	31/03/2021	Numericals
30	01/04/2021	Unit V: A physical concept of shear strength, Introduction of Mohr's stress diagram
31	07/04/2021	Mohr's failure criteria, Mohr-Coulomb's theory and development of failure envelopes
32	08/04/2021	Unconfined compression test, Laboratory measurement of shear strength for different drainage, conditions by direct shear test

33	09/04/2021	Triaxial test for various drainage conditions Merits and demerits of various shear strength tests.
34	15/04/2021	Concept of pore pressure coefficient shear characteristics of sand, NC and OC clays and partially saturated soil
35	16/04/2021	Influence of soil structure and strain rate on shear strength
36	22/04/2021	Numericals
37	23/04/2021	Unit VI: State of stress at a point, stress distribution in soil mass
38	29/04/2021	Boussinesq's theory and its applications, point load, uniformly loaded rectangular and circular area
39	30/04/2021	New-mark's chart, its preparation and use, equivalent point load Compression of laterally confined soil, concept of consolidation spring analogy
40	05/05/2021	Terzaghi's theory of one dimensional consolidation
41	06/05/2021	e-p curve, compression index, swelling index, coefficient of compressibility, Consolometer-test
42	07/05/2021	Determination of C_v Cassagrande's method for determination of pre-consolidation pressure.

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Even Semester 2020-21)

Execution Plan

Name of Faculty: Prof. M. Shahezad

Subject Code: 4CE05

Section: A

Subject Name: STRUCTURAL ANALYSIS-I

Semester: VI

Year: SECOND Year

Sr.No	Date	Topics Covered
1	19.01.20	<u>UNIT 1:</u> Classification of Structures
2	20.01.20	Concept of statically indeterminate beam and frame
3	21.01.20	1. Analysis of fixed beam
4	22.01.20	2. Analysis of fixed beam
5	23.01.20	3. Analysis of fixed beam
6	26.01.20	4. Analysis of fixed beam
7	27.01.20	Analysis of propped cantilever
8	28.01.20	1. Analysis of fixed beam with sinking of support
9	29.01.20	2. Analysis of fixed beam with sinking of support
10	30.01.20	3. Analysis of fixed beam with sinking of support-3
11	02.02.20	<u>UNIT 5:</u> 1. Analysis of continuous beams without sinking of support
12	03.02.20	2. Analysis of continuous beams without sinking of support
13	04.02.20	3. Analysis of continuous beams without sinking of support
14	05.02.20	4. Analysis of continuous beams with sinking of support
15	06.02.20	5. Analysis of continuous beams with sinking of support
16	09.02.20	6. Analysis of continuous beams with sinking of support

17	10.02.20	7. Analysis of portal frames without side sway
18	11.02.20	8. Analysis of portal frames without side sway
19	12.02.20	9. Analysis of portal frames without side sway
20	13.02.20	10. Analysis of portal frames without side sway
21	16.02.20	UNIT 6: 1. Analysis of continuous beams without sinking of support
22	17.02.20	2. Analysis of continuous beams without sinking of support
23	18.02.20	3. Analysis of continuous beams without sinking of support
24	19.02.20	4. Analysis of continuous beams with sinking of support
25	20.02.20	5. Analysis of continuous beams with sinking of support
26	23.02.20	6. Analysis of continuous beams with sinking of support
27	24.02.20	7. Analysis of portal frames without side sway
28	25.02.20	8. Analysis of portal frames without side sway
29	26.02.20	9. Analysis of portal frames without side sway
30	27.02.20	10. Analysis of portal frames without side sway
31	02.03.20	UNIT 2: 1.Castigliano's theorem I, Unit load method
32	03.03.20	2.Castigliano's theorem I, Unit load method
33	04.03.20	3. Slope and deflection in determinate beams and portals.
34	05.03.20	4. Slope and deflection in determinate beams and portals.
35	06.03.20	5. Slope and deflection in determinate beams and portals.
36	09.03.20	6. Slope and deflection in determinate beams and portals.
37	10.03.20	7. Slope and deflection in determinate beams and portals.

38	11.03.20	8.slope and deflection in determinate beams and portals.
39	12.03.20	9. Deflection in determinate trusses
40	13.03.20	10. Deflection in determinate trusses
41	16.03.20	UNIT 4: 1.Three hinged arches subjected to static loads, Bending moment, radia
42	17.03.20	2.Three hinged arches subjected to static loads, Bending moment, radia
43	18.03.20	3.Three hinged arches subjected to static loads, Bending moment, radia
44	19.03.20	4.Three hinged arches subjected to static loads, Bending moment, radia
45	20.03.20	5.Three hinged arches subjected to static loads, Bending moment, radia
46	23.03.20	1.Rolling loads on trusses, Influence line diagrams for forces in memb
47	24.03.20	2.Rolling loads on trusses, Influence line diagrams for forces in memb
48	25.03.20	3.Rolling loads on trusses, Influence line diagrams for forces in memb
49	26.03.20	UNIT 3: 1. Influence line diagrams for reactions
50	27.03.20	2. bending moment and shear force for determinate beams
51	30.03.20	3. bending moment and shear force for determinate beams
52	31.03.20	4. bending moment and shear force for determinate beams
53	01.04.20	5. bending moment and shear force for determinate beams
54	02.04.20	6. bending moment and shear force for determinate beams
55	03.04.20	7. maximum shear force and bending moment, focal length.

	56	06.04.20	8. maximum shear force and bending moment, focal length.
	58	07.04.20	9. maximum shear force and bending moment, focal length.
	59	08.04.20	10. maximum shear force and bending moment, focal length.
	60	09.04.20	11. maximum shear force and bending moment, focal length.

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Dr. N. P. Kataria Subject Code: 4CE05 Section: B
Subject Name: Structural Analysis - I Semester: IV Year: Second Year

Sr. No	Date	Topics Covered
1	2-Feb-21	Unit 1: Introduction to SA I, Basics of Structural Analysis
2	3-Feb-21	Introduction to Fixed Beam
3	4-Feb-21	Advantage Disadvantage of Fixed beam
4	5-Feb-21	Basic Procedure for Analysis of Fixed Beam
5	12-Feb-21	Analysis of Standard Cases
6	16-Feb-21	Fixed Beam Problem 1
7	17-Feb-21	Fixed Beam Problem 2
8	18-Feb-21	Fixed Beam Problem 3
9	20-Feb-21	Introduction to Continuous Beam
10	23-Feb-21	Three moment theorem
11	24-Feb-21	Problem 1
12	25-Feb-21	Problem 2
13	26-Feb-21	Problem 3
14	1-Mar-21	Unit 2: Introduction to Slope Deflection Method

15	2-Mar-21	Analysis of continuous beam using SDE
16	3-Mar-21	Analysis of continuous beam using SDE with sinking
17	4-Mar-21	Analysis of continuous overhang beam using SDE
18	5-Mar-21	Analysis of Portal Frame using SDE
19	9-Mar-21	Analysis of Portal Frame 2 using SDE
20	10-Mar-21	Analysis of Portal Frame 3 using SDE
21	12-Mar-21	Unit 3: Introduction to MDM
22	16-Mar-21	Analysis of continuous beam using MDM
23	17-Mar-21	Analysis of continuous beam 2 using MDM
24	18-Mar-21	Analysis of continuous beam 3 using MDM
25	19-Mar-21	Analysis of Portal frame using MDM
26	23-Mar-21	Analysis of Portal frame using MDM
27	24-Mar-21	Analysis of Portal frame using MDM
28	25-Mar-21	Unit 4: Influence Line Diagram
29	26-Mar-21	ILD for SS beam
30	30-Mar-21	Maximum SF
31	31-Mar-21	Maximum BM
32	1-Apr-21	ILD for Overhanging Beam

33	6-Apr-21	Maximum BM under Chosen Load
34	8-Apr-21	Absolute Maximum BM
35	9-Apr-21	Absolute Maximum BM Problems
36	15-Apr-21	ILD Exam Problem
37	16-Apr-21	Unit 5: Analysis of Cables Suspension Bridge under Concentrated Load for Cables over pulleys and Cable provided with saddles.
38	23-Apr-21	Analysis of Cables Suspension Bridge under Concentrated Load for Cables over pulleys.
39	25-May-21	Analysis of Cables Suspension Bridge under UDL for Cables over pulleys and Cable provided with saddles.
40	27-May-21	Analysis of Cables Suspension Bridge under UDL for Cables over pulleys.
41	28-May-21	Introduction to Arch
42	2-Jun-21	Analysis of Arch, NT, RS
43	3-Jun-21	Arch Problem 1
44	4-Jun-21	Arch Problem 2
45	8-Jun-21	Arch Problem 3
46	9-Jun-21	Unit 6: Strain Energy, Castiglino's first theorem
47	10-Jun-21	Analysis of frames using strain energy concept
48	11-Jun-21	Analysis of Truss using Castiglino's first theorem
49	18-Jun-21	Analysis of Truss using Castiglino's first theorem

50	25-Jun-21	Practice Problems for Exam
51	26-Jun-21	Practice Problems for Exam

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

Name of Faculty: Prof. N.W.Chorey

Subject Code: 4CE03

Section: A

Subject Name: Surveying

Semester: IV

Year: Second Year

Sr. No	Date	Topics Covered
1	04/02/2021	Geo-informatics- definition, disciplines covered, importance
2	08/02/2021	Field Surveying- definition & objectives; concept of Geoids and reference spheroids, coordinate systems, plane and geodetic survey
3	10/2/2021	Methods of location of a point-classification of surveys
4	11/02/2021	Principles of surveying Errors in measurements- sources, types of errors and their treatment. Random error distribution accuracy, precision and uncertainty.
5	15/02/2021	Surveying instruments temporary and permanent adjustment concept, principle of reversal.
6	17/02/2021	Maps- types, importance, scales/CI, conventional symbols, and generalization
7	18/02/2021	Topographic maps projection systems
8	22/02/2021	Sheet numbering systems, map layout.
9	24/02/2021	Linear measurements: Direct and indirect methods
10	25/02/2021	Corrections to tape measurements
11	1/03/2021	Numerical on linear measurement
12	3/03/2021	Optical methods- tachometers sub tense bar
13	4/03/2021	Electronic methods- EDMs, total stations

14	08/03/2021	Methods of height determination
15	10/03/2021	Spirit leveling different, types of levels and staves
16	15/03/2021	Booking and reduction of data, classification and permissible closing error
17	17/03/2021	Profile leveling and cross sectioning
18	18/03/2021	Curvature & refraction and collimation errors
19	23/03/2021	Reciprocal leveling
20	24/03/2021	Contours characteristics, uses and methods of contouring.
21	25/03/2021	Measurement of directions: bearings and angles
22	31/03/2021	Compass surveying- magnetic bearings
23	01/04/2021	Compass surveying- magnetic bearings
24	05/04/2021	Local attraction errors and adjustments.
25	07/04/2021	Local attraction errors and adjustments.
26	08/04/2021	Local attraction errors and adjustments.
27	12/04/2021	Traversing: Purpose and classification of each
28	19/04/2021	Compass and theodolite traverses
29	22/04/2021	Theodolites- different types,
30	26/04/2021	Uses, methods of observation and booking of data
31	28/04/2021	Balancing of traverses, computation of coordinates

32	29/04/2021	Gale's traverse table.
33	03/05/2021	Plane tabling
34	05/05/2021	Merits and demerits
35	06/05/2021	Orientation and resection
36	10/05/2021	Methods of plane tabling; three point problem and solutions
37	12/05/2021	Errors in plane tabling
38	13/04/2021	Engineering project surveys requirements and specifications, various stages of survey.

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. P. A. Kadu
Subject Name: SURVEYING

Subject Code: 4CE03
Semester: IV

Section: C
Year: Second Year

Sr. No	Date	Topics Covered
1	18/01/2021	Geo-informatics- definition, disciplines covered, importance
2	19/01/2021	Field Surveying- definition & objectives; concept of Geoids and reference spheroids, coordinate systems, plane and geodetic survey
3	20/01/2021	Methods of location of a point-classification of surveys
4	25/01/2021	Principles of surveying Errors in measurements- sources, types of errors and their treatment. Random error distribution accuracy, precision and uncertainty.
5	27/01/2021	Surveying instruments temporary and permanent adjustment concept, principle of reversal.
6	01/02/2021	Maps- types, importance, scales/CI, conventional symbols, and generalization
7	02/02/2021	Topographic maps projection systems
8	03/02/2021	Sheet numbering systems, map layout.
9	08/02/2021	Linear measurements: Direct and indirect methods
10	09/02/2021	Corrections to tape measurements
11	10/02/2021	Numerical on linear measurement
12	15/02/2021	Optical methods- tachometers sub tense bar
13	16/02/2021	Electronic methods- EDMs, total stations
14	17/02/2021	Methods of height determination

15	22/02/2021	Spirit leveling different, types of levels and staves
16	23/02/2021	Booking and reduction of data, classification and permissible closing error
17	24/02/2021	Profile leveling and cross sectioning
18	01/03/2021	Curvature & refraction and collimation errors
19	02/03/2021	Reciprocal leveling
20	03/03/2021	Contours characteristics, uses and methods of contouring.
21	08/03/2021	Measurement of directions: bearings and angles
22	09/03/2021	Compass surveying- magnetic bearings
23	10/03/2021	Compass surveying- magnetic bearings
24	15/03/2021	Local attraction errors and adjustments.
25	16/03/2021	Local attraction errors and adjustments.
26	17/03/2021	Local attraction errors and adjustments.
27	22/03/2021	Traversing: Purpose and classification of each
28	23/03/2021	Compass and theodolite traverses
29	24/03/2021	Theodolites- different types
30	30/03/2021	Uses, methods of observation and booking of data
31	05/04/2021	Balancing of traverses, computation of coordinates
32	06/04/2021	Gale's traverse table.
33	07/04/2021	Plane tabling

34	12/04/2021	Merits and demerits
35	13/04/2021	Orientation and resection
36	14/04/2021	Methods of plane tabling; three point problem and solutions
37	19/04/2021	Errors in plane tabling
38	20/04/2021	Engineering project surveys requirements and specifications, various stages of survey.

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. S. D. Malkhede

Subject Code: 4CE03

Section: B

Subject Name: SURVEYING

Semester: IV

Year: Second Year

Sr No	Date	Topics Covered
1	18/01/2021	Geo-informatics- definition, disciplines covered, importance
2	20/01/2021	Field Surveying- definition & objectives; concept of Geoids and reference spheroids, coordinate systems, plane and geodetic survey
3	21/01/2021	Methods of location of a point-classification of surveys
4	25/01/2021	Principles of surveying Errors in measurements- sources, types of errors and their treatment. Random error distribution accuracy, precision and uncertainty.
5	27/01/2021	Surveying instruments temporary and permanent adjustment concept, principle of reversal.
6	28/01/2021	Maps- types, importance, scales/CI, conventional symbols, and generalization
7	01/02/2021	Topographic maps projection systems
8	03/02/2021	Sheet numbering systems, map layout.
9	04/02/2021	Linear measurements: Direct and indirect methods
10	08/02/2021	Corrections to tape measurements
11	10/02/2021	Numerical on linear measurement
12	11/02/2021	Optical methods- tachometers sub tense bar
13	15/02/2021	Electronic methods- EDMs, total stations
14	17/02/2021	Methods of height determination

15	18/02/2021	Spirit leveling different, types of levels and staves
16	22/02/2021	Booking and reduction of data, classification and permissible closing error
17	24/02/2021	Profile leveling and cross sectioning
18	25/02/2021	Curvature & refraction and collimation errors
19	01/03/2021	Reciprocal leveling
20	03/03/2021	Contours characteristics, uses and methods of contouring.
21	04/03/2021	Measurement of directions: bearings and angles
22	08/03/2021	Compass surveying- magnetic bearings
23	10/03/2021	Compass surveying- magnetic bearings
24	15/03/2021	Local attraction errors and adjustments.
25	17/03/2021	Local attraction errors and adjustments.
26	18/03/2021	Local attraction errors and adjustments.
27	22/03/2021	Traversing: Purpose and classification of each
28	24/03/2021	Compass and theodolite traverses
29	25/03/2021	Theodolites- different, types,
30	01/04/2021	Uses, methods of observation and booking of data
31	05/04/2021	Balancing of traverses, computation of coordinates
32	07/04/2021	Gale's traverse table.
33	08/04/2021	Plane tabling

34	12/04/2021	Merits and demerits
35	15/04/2021	Orientation and resection
36	19/04/2021	Methods of plane tabling; three point problem and solutions
37	03/05/2021	Errors in plane tabling
38	05/05/2021	Engineering project surveys requirements and specifications, various stages of survey.

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. N. R. Bobde

Subject Code: 4CE02

Section: A

Subject Name: Hydrology and Water Resources Engineering Semester: IV

Year: Second

Year

Sr. No	Date	Topics Covered
1	1/2/2021	Estimation of average raingauge stations, Problems on avg rainfall estimation
2	5/2/2021	Estimation of missing rainfall data, intensity frequency duration relation
3	6/2/2021	Yield of an open well, Recuperation test constant pumping level test
4	8/2/2021	Evaporation: Process, factors affecting, measurement and estimation
5	12/2/2021	Infiltration: Process, factors affecting, measurement, Infiltration
6	13/2/2021	Run-off: Factors affecting, estimation of runoff, Rainfall- Runoff coe
7	15/2/2021	Floods: Flood classification, importance, estimation of flood
	20/2/2021	Hydrographs: Typical flood hydrograph, base flow separation, unit hydro
9	20/2/2021	Problems on unit hydrograph problems on flood hydrograph problems
10	22/2/2021	Problems on flood hydrograph
11	26/2/2021	Problems on hydrograph using S-Curve method
12	27/2/2021	Introduction to irrigation engineering, defect or ill effect of irrigation, necessity & advantages of irrigation
13	1/3/2021	Properties of soil & types of soil, soil moisture classification
14	5/3/2021	Minor irrigation work, Bandhara irrigation work

15	6/3/2021	Percolation tank, flow & lift irrigation
16	8/3/2021	Crop water requirement , Relation between delta, duty & base period
17	12/3/2021	Gross command area, culturable command area & some other definitions Principal of crops, command area defination
18	13/3/2021	Problems on irrigation
19	15/3/2021	Consumptive Use of Water & its Estimation, problems
20	19/3/2021	Irrigation methods, surface irrigation methods
21	20/3/2021	Distribution system- Canal system, Alignment of canal
22	22/3/2021	Canal losses, Estimation of design discharge
23	26/3/2021	Design of channels - Kennedy's and Lacey's theory of Regim channel
24	27/3/2021	Canal outlets - Non modular, semi-modular and modular outlets
25	3/4/2021	Lining of canals, types of lining
26	5/4/2021	Water logging problems, Caases, Effects
27	9/4/2021	Dams and spillways, Earthen dam, Classification and design consideration
28	10/4/2021	Selection of suitable sites, Estimation and control of seepage
29	12/4/2021	Gravity Dams - Forces on gravity dam, Causes of failure & Failure analysis
30	16/04/2021	Elementary and practical profile, Economic height of dam
31	17/04/2021	Spillway - Component of spillway, types of gates for spillway

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. R. S. Adhau

Subject Code: 4CE02

Section: B

Subject Name: Hydrology and Water Resources Engineering Semester: IV

Year: Second

Year

Sr. No	Date	Topics Covered
1	1/2/2021	Estimation of average raingauge stations, Problems on avg rainfall estimation
2	4/2/2021	Estimation of missing rainfall data, intensity frequency duration relation
3	6/2/2021	Yield of an open well, Recuperation test constant pumping level test
4	8/2/2021	Evaporation: Process, factors affecting, measurement and estimation
5	11/2/2021	Infiltration: Process, factors affecting, measurement, Infiltration
6	13/2/2021	Run-off: Factors affecting, estimation of runoff, Rainfall- Runoff coefficient.
7	15/2/2021	Floods: Flood classification, importance, estimation of flood,
	18/2/2021	Hydrographs: Typical flood hydrograph, base flow separation
9	20/2/2021	Problems on unit hydrograph problems on flood hydrograph problems
10	22/2/2021	Problems on flood hydrograph
11	25/2/2021	Problems on hydrograph using S-Curve method
12	27/2/2021	Introduction to irrigation engineering, defect or ill effect of irrigation,necessity & advantages of irrigation
13	1/3/2021	Properties of soil & types of soil,soil moisture classification

14	4/3/2021	Minor irrigation work, Bandhara irrigation work
15	6/3/2021	Percolation tank, flow & lift irrigation
16	8/3/2021	Crop water requirement , Relation between delta, duty & base period
17	11/3/2021	Gross command area, culturable command area & some other definitions, Principal of crops, command area definition
18	13/3/2021	Problems on irrigation
19	15/3/2021	Consumptive Use of Water & its Estimation, problems
20	18/3/2021	Irrigation methods, surface irrigation methods
21	20/3/2021	Distribution system- Canal system, Alignment of canal
22	25/3/2021	Canal losses, Estimation of design discharge
23	27/3/2021	Design of channels - Kennedy's and Lacey's theory of Regim channel
24	1/4/2021	Canal outlets - Non modular, semi-modular and modular outlets
25	3/4/2021	Lining of canals, types of lining,
26	5/4/2021	Water logging problems, Caauses, Effects
27	8/4/2021	Dams and spillways, Earthen dam, Classification and design consideration
28	10/4/2021	Selection of suitable sites, Estimation and control of seepage
29	17/4/2021	Gravity Dams - Forces on gravity dam, Causes of failure & Failure analysis
30	19/04/2021	Elementary and practical profile, Economic height of dam
31	22/04/2021	Spillway - Component of spillway, types of gates for spillway

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Prof. Ram Meghe Institute of Technology & Research Badnera

Department of Computer Science & Engineering

(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Dr M V Mohod

Subject Code: 5CE01

Section: B

Subject Name: BPCAD

Semester: IV

Year: Second Year

Sr.No	Date	Topics Covered
1	18/01/2021	Unit 1: Introduction: Importance of building drawing for Civil Engineering.
2	21/01/2021	Method of drawing – Selection of scales for various drawings
3	27/01/2021	Abbreviations & graphical symbols used in Civil Engineering Drawing
4	29/01/2021	Combined first angle & third angle method of projection.
5	02/02/2021	Layout of sheet for civil engineering drawing,
6	03/02/2021	Requirements of drawing as per plan sanctioning authorities.
7	04/02/2021	Unit 2: Concept of line plan & working drawings of the building.
8	09/02/2021	Developing working drawings of the building from the given line plan
9	10/02/2021	Necessity and use of working drawing.
10	12/02/2021	Concept of site plan, block plan and layout plan. Importance and det
11	17/02/2021	Developing working drawing and foundation plan for load bearing
12	18/02/2021	Unit 3: Planning of residential building. Introduction, general principles.
13	23/02/2021	Planning of residential building. Introduction, general principles.

14	24/02/2021	Temperature Climate and design consideration. Orientation of buildings
15	26/02/2021	Requirement of the owner, alternatives of building types.
16	02/03/2021	Common utilities such as parking, security, water supply, sanitation
17	03/03/2021	Criteria for earthquake resistant planning of building.
18	04/03/2021	Criteria for earthquake resistant planning of building.
19	09/03/2021	Unit 4: Concept of line plan, working drawing and submission drawing.
20	10/03/2021	Concept of site plan, block plan and layout plan
21	11/03/2021	Concept of foundation plan and use.
22	16/03/2021	Types of public building and their requirements, planning of public.
23	17/03/2021	Preparing line plans of different public buildings such as schools
24	18/03/2021	Free-hand sketch
25	23/03/2021	Developing working and submission drawing of load bearing and frame structural building.
26	24/03/2021	Developing working and submission drawing of load bearing and frame structural building.
27	25/03/2021	Developing working and submission drawing of load bearing and frame structural building.

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. P.S.Deshmukh Subject Code: 5CE01 Section: C
Subject Name: BPCAD Semester: IV Year: Second Year

Sr. No	Date	Topics Covered
1	19/01/2021	Unit 1: Introduction: Importance of building drawing for Civil Engineering.
2	21/01/2021	Method of drawing – Selection of scales for various drawings
3	27/01/2021	Abbreviations & graphical symbols used in Civil Engineering Drawing
4	28/01/2021	Combined first angle & third angle method of projection.
5	02/02/2021	Layout of sheet for civil engineering drawing,
6	03/02/2021	Requirements of drawing as per plan sanctioning authorities.
7	04/02/2021	Unit 2: Concept of line plan & working drawings of the building.
8	09/02/2021	Developing working drawings of the building from the given line plan
9	10/02/2021	Necessity and use of working drawing.
10	11/02/2021	Concept of site plan, block plan and layout plan. Importance
11	17/02/2021	Developing working drawing and foundation plan for load
12	18/02/2021	Unit 3: Planning of residential building. Introduction, general principles.
13	23/02/2021	Planning of residential building. Introduction, general principles.
14	24/02/2021	Temperature Climate and design consideration. Orientation of buildings

15	25/02/2021	Requirement of the owner, alternatives of building types.
16	02/03/2021	Common utilities such as parking, security, water supply, sanitation
17	03/03/2021	Criteria for earthquake resistant planning of building.
18	04/03/2021	Criteria for earthquake resistant planning of building.
19	09/03/2021	Unit 4: Concept of line plan, working drawing and submission drawing.
20	10/03/2021	Concept of site plan, block plan and layout plan
21	16/03/2021	Concept of foundation plan and use.
22	17/03/2021	Types of public building and their requirements, planning of public.
23	18/03/2021	Preparing line plans of different public buildings such as
24	23/03/2021	Free-hand sketch
25	24/03/2021	Developing working and submission drawing of load bearing and frame structural building.
26	25/03/2021	Developing working and submission drawing of load bearing and frame structural building.
27	30/03/2021	Developing working and submission drawing of load bearing and frame structural building.

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. S. D. Malkhede

Subject Code: 3CE05

Section: B

Subject Name: Concrete technology & RCC

Semester: IV

Year: Second year

Sr No	Date	Topics Covered
1	21/08/2020	Introduction to RCC-I , Syllabus
2	28/08/2020	Cement manufacturing
3	29/08/2020	Wet and Dry process
4	01/09/2020	Test on cement
5	04/09/2020	Aggregate, Classification
6	05/09/2020	Test on aggregate
7	08/09/2020	Test on aggregate
8	11/09/2020	fresh concrete
9	12/09/2020	Properties of fresh concrete
10	15/09/2020	Properties of fresh concrete
11	18/09/2020	Properties of hardened concrete
12	19/09/2020	compressive, tensile, strength
13	22/09/2020	creep of concrete
14	25/09/2020	shrinkage of concrete
15	25/09/2020	durability of concrete

16	26/09/2020	laboratory tests on concrete
17	29/09/2020	laboratory tests on concrete
18	03/10/2020	Introduction to Admixtures
19	06/10/2020	Plasticizer, retarder
20	13/10/2020	accelerators, water proofing agents
21	20/10/2020	Mineral admixtures, IS code provisions.
22	23/10/2020	Introduction of mix design,
23	24/10/2020	factors governing mix design,
24	27/10/2020	Procedure of mix design,
25	31/10/2020	Numerical on mix design,
26	03/11/2020	Numerical on mix design,
27	06/11/2020	Numerical on mix design,
28	07/11/2020	Numerical on mix design
29	10/11/2020	singly reinforced beam
30	20/11/2020	Numerical on singly reinforced beams
31	21/11/2020	Numerical on singly reinforced beams
32	24/11/2020	Numerical on singly reinforced beams
33	27/11/2020	Doubly reinforced beams
34	28/11/2020	Numerical on Doubly reinforced beams

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. S. C. Sagane

Subject Code: 4CE03

Section:

C

Subject Name: Structural Analysis - I

Semester: IV

Year:

Second

Year

Sr. No.	Date	Topics Covered
1	01/02/2021	<u>UNIT 1</u> : Classification of Structures
2	02/02/2021	Concept of statically indeterminate beam and frame
3	03/02/2021	Analysis of fixed beam Problem 1
4	04/02/2021	Analysis of fixed beam Problem 2
5	08/02/2021	Analysis of propped cantilever
6	09/02/2021	Analysis of fixed beam with Rotation and sinking of support
7	10/02/2021	Analysis of Continuous beam by theorem of three moments Problem 1
8	11/02/2021	Analysis of Continuous beam with sinking of support Problem 2
9	15/02/2021	Analysis of Continuous beam with sinking of support Problem 2
10	16/02/2021	Analysis of Continuous beam with sinking of support Problem 3
11	17/02/2021	Analysis of Continuous beam with sinking of support Problem 4
12	18/02/2021	<u>Unit-II</u> : Castigliano's theorem I
13	22/02/2021	slope and deflection in determinate beams
14	23/02/2021	slope and deflection in determinate beams portals
15	24/02/2021	Unit load method Problem 1
16	25/02/2021	Unit load method Problem 2
17	01/03/2021	Deflection in determinate trusses

18	03/03/2021	Deflection in determinate trusses
19	04/03/2021	<u>Unit-III:</u> Influence line diagrams for reactions, bending moment and shear force for determinate beams. Problem 1
20	08/03/2021	Problem 2, 3
21	09/03/2021	Rolling loads on simply supported beams concentrated and uniformly distributed loads
22	10/03/2021	Problems on maximum shear force and bending moment, focal length
23	16/03/2021	Problems on maximum shear force and bending moment, focal length
24	17/03/2021	<u>Unit-IV:</u> Rolling loads on trusses
25	18/03/2021	Influence line diagrams for forces in members of simple trusses
26	22/03/2021	Three hinged arches subjected to static loads, Bending moment, radial shear and axial thrust Problem 1
27	23/03/2021	Three hinged arches subjected to static loads, Bending moment, radial shear and axial thrust Problem 2
28	24/03/2021	Three hinged arches subjected to static loads, Bending moment, radial shear and axial thrust Problem 3
29	25/03/2021	Three hinged arches subjected to static loads, Bending moment, radial shear and axial thrust Problem 4
30	30/03/2021	<u>Unit-V:</u> Analysis of continuous beams by Slope deflection method Problem 1
31	31/03/2021	Analysis of continuous beams by Slope deflection method Problem 2 without sinking of support.
32	01/04/2021	Analysis of continuous beams by Slope deflection method Problem 3
33	05/04/2021	Analysis of continuous beams by Slope deflection method Problem 4

34	06/04/2021	Analysis of continuous beams by Slope deflection method Problem 5
35	07/04/2021	Analysis of continuous beams by Slope deflection method Problem 6
36	08/04/2021	Analysis of portal frames without side sway problem 1
37	12/04/2021	Analysis of portal frames without side sway problem 2
38	15/04/2021	Analysis of portal frames without side sway problem 3
39	19/04/2021	Analysis of portal frames without side sway problem 4
40	20/04/2021	<u>Unit-VI</u> : Analysis of continuous beams by Moment Distribution method Problem 1
41	21/04/2021	Analysis of continuous beams by Moment Distribution method Problem 2 without sinking of support.
42	22/04/2021	Analysis of continuous beams by Moment Distribution method Problem 3
43	24/05/2021	Analysis of continuous beams by Moment Distribution method Problem 4
44	25/05/2021	Analysis of continuous beams by Moment Distribution on method Problem 5
45	27/05/2021	Analysis of continuous beams by Moment Distribution method Problem 6
46	31/05/2021	Analysis of portal frames without side sway problem 1
47	01/06/2021	Analysis of portal frames without side sway problem 2
48	02/06/2021	Analysis of portal frames without side sway problem 3
49	03/06/2021	Analysis of portal frames without side sway problem 4

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. M. A. Banarase Subject Code: 5CE05 Section: A

Subject Name: BPCAD Semester: IV Year: Second Year

Sr. No	Date	Topics Covered
1	19/01/2021	Unit 1: Introduction: Importance of building drawing for Civil Engineering.
2	20/01/2021	Method of drawing – Selection of scales for various drawings
3	23/01/2021	Abbreviations & graphical symbols used in Civil Engineering Drawing
4	27/01/2021	Combined first angle & third angle method of projection.
5	30/01/2021	Layout of sheet for civil engineering drawing,
6	02/02/2021	Requirements of drawing as per plan sanctioning authorities.
7	03/02/2021	Unit 2: Concept of line plan & working drawings of the building.
8	06/02/2021	Developing working drawings of the building from the given lineplan
9	09/02/2021	Necessity and use of working drawing.
10	10/02/2021	Concept of site plan, block plan and layout plan. Importance and
11	13/02/2021	Developing working drawing and foundation plan for load bearing
12	16/02/2021	Unit 3: Planning of residential building. Introduction, general principles.
13	17/02/2021	Planning of residential building. Introduction, general principles.
14	20/02/2021	Temperature Climate and design consideration. Orientation of buildings

15	23/02/2021	Requirement of the owner, alternatives of building types.
16	24/02/2021	Common utilities such as parking, security, water supply, sanitation
17	27/02/2021	Criteria for earthquake resistant planning of building.
18	02/03/2021	Criteria for earthquake resistant planning of building.
19	03/03/2021	Unit 4: Concept of line plan, working drawing and submission drawing.
20	06/03/2021	Concept of site plan, block plan and layout plan
21	09/03/2021	Concept of foundation plan and use.
22	10/03/2021	Types of public building and their requirements, planning of public.
23	16/03/2021	Preparing line plans of different public buildings such as schools,
24	17/03/2021	Free-hand sketch
25	20/03/2021	Developing working and submission drawing of load bearing and frame structural building.
26	23/03/2021	Developing working and submission drawing of load bearing and frame structural building.
27	24/03/2021	Developing working and submission drawing of load bearing and frame structural building.

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Even Semester 2020-21)

Execution Plan

Name of Faculty: Prof. S.A.Baitule

Subject Code:

Section: A

Sr. No	Date	Topics Covered
1	18/1/2021	Unit 1: Introduction to dam engineering
2	19/1/2021	types of dam
3	21/1/2021	Types of dam
4	22/1/2021	Investigation of dam site
5	25/1/2021	Engineering Surveys
6	28/1/2021	Geological Investigation
7	29/1/2021	Subsurface Exploration program
8	02/01/2021	Direct methods
9	26/2/2021	Indirect methods
10	25/2/2021	Economical height of dam
11	01/03/2021	Construction machinery
12	02/03/2021	Unit 2 : Introduction to rockfill dam
13	04/03/2021	General characteristics of rockfill dam
14	05/03/2021	General Characteristic
15	08/03/2021	materials and testing of rockfill material
16	09/03/2021	Materials and testing of rockfill material
17	12/03/2021	Foundation of rockfill dam, design

18	5/3/2021	Unit 3 : Arch dam : introduction, components
19	16/3/2021	components of arch dam
20	18/03/2021	Types of arch dam
21	19/03/2021	methods for design
22	22/03/2021	Buttress dam : components, types
23	23/03/2021	forces acting on buttress dam, buttress spacing
24	25/03/2021	Master curve for economical spacing, Preliminary design
25	26/03/2021	Solid gravity dam : analysis & design of gravity dam
26	1/04/2021	Unit 4 : Spillways: Choice of types
27	05/04/2021	Types and forces acting
28	06/04/2021	types of gates
29	08/04/2021	Unit 5: Head Regulators : requirements, types, foundation treatment including uplift consideration, Bank connection,
30	09/04/2021	Hydraulic design of opening and barrel, ventilation,.
31	12/04/2021	Unit 6 : Instrumentation : In earth dam and solid gravity dams, piezo meters, settlement, gauges
32	15/04/2021	strain meters joint meters, thermometers, stress meters, pore pressure cells, plumb-bob Seismograph. Water level gauges

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. R. S. Adhau

Subject Code: 7CE04

Section: B

Subject Name: Environmental Engineering –I

Semester: VII

Year: Final Year

Sr. No	Date	Topics Covered
1	17/8/2020	Design Period & Factors affecting it.
2	18/8/2020	Population Forecasting, Arithmetic method ,Geometric Increase Method
3	21/8/2020	Numerical On population Forecasting
4	24/8/2020	Sources: Surface Source & Ground Water sources
5	25/8/2020	Water quality: Impurities in water, their effects and significance
6	27/8/2020	Collection of water samples. Water analysis physical
7	28/8/2020	chemical and bacteriological water analysis
8	3/9/2020	Water Quality , Impurities in water
9	4/9/2020	Effects & Significance of water borne diseases
10	7/9/2020	Water Quality Std. WHO & IS for drinking water, Water analysis
11	8/9/2020	Flow Diagram Of WTP action of water samples. Water analysis physical
12	10/9/2020	Aeration , Types of aeration
13	11/9/2020	Trickling Bed Aeration, Sedimentation tank
14	14/9/2020	Sedimentation Tank - Circular Sedimentation tank

15	15/9/2020	Up & Down Baffle Tank (Plain Sedimentation tank)
16	17/9/2020	Sedimentation With Coagulation, Jar Test, Wet Feeding Devices
17	18/9/2020	Design Of sedimentation Tank, Problems On Sedimentation tank
18	21/9/2020	Mixing Devices: 1) Flash Mixer, Mixing Devices 2) Baffle wall mixing
19	22/9/2020	Expression for Settling velocity particles.
20	24/9/2020	Filtration , Theory of Filtration
21	25/9/2020	Rapid Sand filter . comparison between slow sand & rapid sand
22	28/9/2020	Pressure Filter. problem on slow sand
23	29/9/2020	Other types of filters..1)roughing & double filtration 2)Up flow filt
24	1/10/2020	Disinfection Introduction
25	5/10/2020	Methods of Disinfection
26	6/10/2020	Behavior of chlorine & types of chlorine
27	15/10/2020	Introduction to tertiary treatments like Softening
28	16/10/2020	Ion Exchange, Reverse Osmosis, Defloridation, Desalination
29	19/10/2020	Distribution system requirement , water supply system & layout of dist
30	20/10/2020	Pumping and combined gravity and pumping
31	22/10/2020	Dead end, Grid iron, Circular system and Radial system
32	24/10/2020	Equalising storage, Type of storage reservoirs, capacity

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. P.S.Deshmukh

Subject Code: 8CE01

Section: C

Subject Name: WRE 2

Semester: VIII

Year: Final Year

Sr. No	Date	Topics Covered
1	18/01/2021	Unit 1: Reservoir Planning
2	21/01/2021	Control levels, Reservoir Sedimentation
3	22/01/2021	Reservoir Capacity, Calculation of life Reservoir.
4	25/01/2021	Types of Dam, Types of Earthen Dam
5	28/01/2021	causes of failure seepage and drainage arrangement
6	29/01/2021	Phreatic line, Stability Analysis, Seepage Control Measures
7	1/02/2021	Unit 2: Gravity Dams: Types of dams forces acting
8	4/02/2021	Modes of failure; principles of design of straight gravity dams
9	5/02/2021	Principles of design of straight gravity dams
10	8/02/2021	Elementary and practical profile of gravity dam.
11	11/02/2021	Galleries, Earthquake and its effect on dams.
12	12/02/2021	Unit 3: Selection of site and layout of Diversion Head Work
13	15/02/2021	Components of diversion head works
14	18/02/2021	Design of weirs on permeable foundation
15	19/02/2021	Construction details of Kolhapur type weirs
16	22/02/2021	Spillways: Types of spillway, spillway capacity
17	25/02/2021	Flood routing through spillways, types of crest gates
18	1/03/2021	Energy dissipaters: meaning, objectives, location.

19	4/03/2021	Type's hydraulic jump, jet diffusion and Bucket type
20	8/03/2021	Unit 4: Canal irrigation: Type of canals, their parts and alignment
21	11/03/2021	Design of lined and unlined canal
22	12/03/2021	Balancing depth, cross section of canal.
23	15/03/2021	Propose and types of canal lining.
24	18/03/2021	Unit 5: Canal masonry work: Type and design principal
25	19/03/2021	Regulation work: Canal falls, head regulator, cross regulator,
26	22/03/2021	Canal escapes, outlets
27	25/03/2021	Cross drainage works: Aqueduct, Syphon, Supper passage.
28	26/03/2021	Unit 6: Well Irrigation: open and tube well
29	1/04/2021	Water Management and distribution
30	2/04/2021	Water Management and distribution
32	5/04/2021	Water shed management and their need.
33	8/04/2021	Importance of soil conservation measures
34	8/04/2021	Techniques ground water harvesting.
35	9/04/2021	River Training Works : Need and types of river training works.

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
 (Even Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. R. S. Adhau

Subject Code: 8CE02

Section: A

Subject Name: Environmental Engineering –II

Semester: VII I Year: Final Year

Sr. No	Date	Topics Covered
1	19/1/2021	Quantity of storm water, DWF, variation of sewage
2	20/1/2021	Flow systems of sewerage - separate combined and partially combined
3	27/1/2021	capacity of sewers, design of sewers
4	28/1/2021	Laying out of circular sewers-Boning rod and sight railmethod,
5	24/2/2021	Testing & maintenance of sewers
6	2/3/2021	Waste water characteristic, sampling of sewage, physical chemical
7	3/3/2021	B.O.D. and C.O.D.,B.O.D. equation, problems on B.O.D.Population
8	8/3/2021	pollution due to domestic and industrial waste. Industrial effluent
9	9/3/2021	Treatment of sewage - purpose of treatment, preliminarytreatment,
10	10/3/2021	construction details, Re- circulation,
11	15/3/2021	Flow diagram for conventional sewage treatment plant.
12	16/3/2021	Preliminary Treatment:- Screening, Grit chamber, detritus tank
13	12/4/2021	Different modified forms of A.S.P.
14	19/4/2021	Primary Treatment:- Sedimentation of sewage
15	20/4/2021	Biological treatment: Trickling filters, low rate & high ratetrickin
16	21/4/2021	Activated sludge process - Process description, Methods of aeration,
17	28/4/2021	MLSS & SVI,F/M.

18	3/5/2021	Low cost waste treatments - Oxidation ponds, Aerated Lagoon,
19	4/5/2021	Treatment and Disposal of sludge –
20	5/5/2021	Digestion of sludge, sludge disposal.
21	6/5/2021	Septic tank, working and design, Disposal of septic tank effluent
22	12/5/2021	Disposal of sewage on land and in stream. Industrial effluent standard
23	17/5/2021	MINAS. Self purification capacity of stream
24	24/5/2021	Characteristics of solid waste:- Physical, chemical, biological
25	25/5/2021	Types of collection system and services
26	3/5/2021	Disposal of solid wastes:- Different methods
27	5/5/2021	sanitary land fill, composting, incineration.
28	7/5/2021	Introduction TO Air Pollution
29	10/5/2021	various pollutants, their sources and their effects on man and materia
30	12/5/2021	prevention or air pollution at sources, introduction to control device
31	15/5/2021	Electrostatic precipitator & cyclones only.
32	17/5/2021	Introduction to EIA, Environmental Acts
33	19/5/2021	Environmental Audit and objectives
34	22/5/2021	air pollution

Prof. Ram Meghe Institute of Technology & Research Badnera
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(Odd Semester 2020-2021)
Execution Plan

Name of Faculty: Prof. H. P. Nistane

Subject Code: 8 CE04

Section: B

Subject Name: AWW&IWWT

Semester: VIII

Year: Final Year (B)

Sr. No	Date	Topics Covered
1	19/01/2021	Physical unit process: screening, mixing,
2	20/01/2021	Flocculation, sedimentation, floatation.
3	21/01/2021	Design of Grit Chambers
4	27/01/2021	Screens Chamber
5	28/01/2021	Chemical Unit Processes: precipitation Gas transfer Adsorption
6	29/01/2021	Unit 02 - Biological Unit Process
7	24/02/2021	Fundamentals of biological treatment.
8	25/01/2021	Design of trickling filter
9	26/02/2021	Activated sludge process.
10	03/03/2021	Unit 03 - Low cost waste water treatment
11	04/03/2021	Design of oxidation pond and aerated lagoon.
12	05/03/2021	Oxidation ditch. Design of Secondary Settling
13	09/03/2021	Methods of disposal of industrial wastes.
14	10/03/2021	Equalization tank, Neutralization.
15	16/03/2021	Unit 04 General : Effect of discharge of industrial wastewaters on streams, land and environment. Importance and scope.
16	08/04/2021	Problems involved in treatment. Variation in quality and quantity of industrial wastewaters.
17	20/04/2021	Indian standards for discharge of treated waste water on land, into municipal sewers and natural

18	21/04/2021	Sampling of Waste Water : Representative sampling. Grab and composite samples.
19	22/04/2021	Unit 05 General Approaches to Planning of Industrial Wastewater Treatment and disposal.
20	28/04/2021	Equalization and proportioning
21	30/04/2021	Treating different effluent streams separately. Including/ excluding domestic wastewater along
22	04/05/2021	Treating industrial wastewater along with town waste.
23	06/05/2021	Unit 06 -Process flow diagram, characteristics and treatment of various industrial wastes.
24	07/05/2021	Industrial wastes of pulp and paper
25	11/05/2021	Textiles, tannery, food, canning, sugar mills,
26	18/05/2021	Dairy, Pharmaceutical, Electroplating etc. Case

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(Even Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. R. S. Adhau

Subject Code: 8CE02

Section: A

Subject Name: Environmental Engineering –II

Semester: VII I Year: Final Year

Sr. No	Date	Topics Covered
1	19/1/2021	Quantity of storm water, DWF, variation of sewage
2	20/1/2021	Flow systems of sewerage - separate combined and partially combined
3	27/1/2021	capacity of sewers, design of sewers
4	28/1/2021	Laying out of circular sewers-Boning rod and sight railmethod,
5	24/2/2021	Testing & maintenance of sewers
6	2/3/2021	Waste water characteristic, sampling of sewage, physical chemical
7	3/3/2021	B.O.D. and C.O.D.,B.O.D. equation, problems on B.O.D.Population
8	8/3/2021	pollution due to domestic and industrial waste. Industrial effluent
9	9/3/2021	Treatment of sewage - purpose of treatment, preliminarytreatment,
10	10/3/2021	construction details, Re- circulation,
11	15/3/2021	Flow diagram for conventional sewage treatment plant.
12	16/3/2021	Preliminary Treatment:- Screening, Grit chamber, detritus tank
13	12/4/2021	Different modified forms of A.S.P.
14	19/4/2021	Primary Treatment:- Sedimentation of sewage
15	20/4/2021	Biological treatment: Trickling filters, low rate & high ratetrickin
16	21/4/2021	Activated sludge process - Process description, Methods of aeration,
17	28/4/2021	MLSS & SVI,F/M.

18	3/5/2021	Low cost waste treatments - Oxidation ponds, Aerated Lagoon,
19	4/5/2021	Treatment and Disposal of sludge –
20	5/5/2021	Digestion of sludge, sludge disposal.
21	6/5/2021	Septic tank, working and design, Disposal of septic tank effluent
22	12/5/2021	Disposal of sewage on land and in stream. Industrial effluent standard
23	17/5/2021	MINAS. Self purification capacity of stream
24	24/5/2021	Characteristics of solid waste:- Physical, chemical, biological Analy
25	25/5/2021	Types of collection system and services
26	3/5/2021	Disposal of solid wastes:- Different methods
27	5/5/2021	sanitary land fill, composting, incineration.
28	7/5/2021	Introduction TO Air Pollution
29	10/5/2021	various pollutants, their sources and their effects on man and materia
30	12/5/2021	prevention or air pollution at sources, introduction to control device
31	15/5/2021	Electrostatic precipitator & cyclones only.
32	17/5/2021	Introduction to EIA, Environmental Acts
33	19/5/2021	Environmental Audit and objectives
34	22/5/2021	air pollution

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Civil Engineering
(ODD Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. H. P. Nistane Subject Code: 8 CE04 Section: B
Subject Name: AWW&IWWT Semester: VIII Year: Final Year (B)

Sr. No	Date	Topics Covered
1	19/01/2021	Physical unit process: screening, mixing,
2	20/01/2021	Flocculation, sedimentation, floatation.
3	21/01/2021	Design of Grit Chambers
4	27/01/2021	Screens Chamber
5	28/01/2021	Chemical Unit Processes: precipitation Gas transfer, Adsorption
6	29/01/2021	Unit 02 - Biological Unit Process
7	24/02/2021	Fundamentals of biological treatment.
8	25/01/2021	Design of trickling filter
9	26/02/2021	Activated sludge process.
10	03/03/2021	Unit 03 - Low cost waste water treatment
11	04/03/2021	Design of oxidation pond and aerated lagoon.
12	05/03/2021	Oxidation ditch. Design of Secondary Settling Tank.
13	09/03/2021	Methods of disposal of industrial wastes.
14	10/03/2021	Equalization tank, Neutralization.
15	16/03/2021	Unit 04 General : Effect of discharge of industrial wastewaters on streams, land and environment. Importance and scope.

16	08/04/2021	Problems involved in treatment. Variation in quality and quantity of industrial wastewaters. Standards & Criteria
17	20/04/2021	Indian standards for discharge of treated waste water on land, into municipal sewers and natural water courses.
18	21/04/2021	Sampling of Waste Water : Representative sampling. Grab and composite samples.
19	22/04/2021	Unit 05 General Approaches to Planning of Industrial Wastewater Treatment and disposal.
20	28/04/2021	Equalization and proportioning
21	30/04/2021	Treating different effluent streams separately. Including/excluding domestic wastewater along with the industrial waste.
22	04/05/2021	Treating industrial wastewater along with town waste.
23	06/05/2021	Unit 06 -Process flow diagram, characteristics and treatment of various industrial wastes.
24	07/05/2021	Industrial wastes of pulp and paper
25	11/05/2021	Textiles, tannery, food, canning, sugar mills, distillery
26	18/05/2021	Dairy, Pharmaceutical, Electroplating etc. Case study of any

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Dr. G. R. Bamnote

Subject Code: 4KS01

Subject Name: AI

Semester: IV Year: Second Year

Section: A

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	1/02/2021	Unit I: AI Introduction		
2	2/02/2021	Foundations of AI		
3	3/-2/2021	AI History, AI State of Art		
4	8/02/2021	Artificial Agent : Agents & Environment		
5	10/02/2021	Good Behavior: The Concept of Rationality		
6	22/02/2021	The Nature of Environments,		
7	24/02/2021	The Structure of Agents		
8	1/03/2021	Unit II: Problem Solving Through AI :Introduction, Examples of AI Problems, Nature of AI Problems		
9	2/03/2021	Representation the AI Problems, Production System,		
10	3/02/2021	Algorithm of Problem Solving, Examples of AI Problems: Tic-Tac-Toe, Water Jug Problem		
11	10/03/2021	8-Puzzle Problem, 8- Queens Problem and Cannibals Problem		
12	15/03/2021	Tower of Hanoi Problem, other problems		
13	16/03/2021	Language Understanding Problem, Monkey & Banana Problem, etc		
14	17/03/2021	Nature of AI Problem		
15	22/03/2021	UNIT III: Uninformed Search Strategies : Problem-Solving Agents,		
16	23/02/2021	Example Problems,		
17	24/03/2021	Search Algorithms,		
18	30/03/2021	Breadth-First Search, Uniform-Cost Search,		
19	31/03/2021	Depth First search, Depth Limited search,		
20	5/04/2021	Iterative Deepening DFS, Bidirectional Search, Uninformed search comparison		
21	6/04/2021	UNIT IV: Informed search: Introduction, basic Concepts Heuristic Search		
22	7/04/2021	Heuristic Knowledge, Designing of Heuristic Function		
23	12/04/2021	Heuristic search Techniques :Generate-and-test, Best-first Search		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	19/04/2021	Best First search, A* algorithm		
25	20/04/2021	Recursive Best First search, Problem Reduction, AND-OR graph, AO* Algorithm		
26	21/04/2021	Local Search Algorithm, Hill Climbing Algorithm		
27	24/05/2021	Constraints Satisfaction		
28	25/05/2021	Means End Analysis		
29	31/05/2021	UNIT V: Adversarial Search & Games: Introduction		
30	1/06/2021	Optimal Decisions in games, Alpha Beta Pruning		
31	7/06/2021	Refinements		
32	8/06/2021	Monte Carlo Tree Search		
33	9/06/2021	Stochastic Games		
34	21/06/2021	Partially Observable Games Limitations of Game Search Algorithms		
35	22/06/2021	UNIT VI: Introduction,		
36	23/06/2021	Types of Knowledge, Knowledge Representation, 6		
37	28/06/2021	Knowledge Storage, Knowledge Acquisition		
38	29/06/2021	Knowledge Introduction & Management		
39	30/06/2021	Basic Concepts of Knowledge Engineering		
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

DCN Execution Plan

Name of Faculty: Prof. Ms. R. A. Meshram

Subject Code: 4KS02

Subject Name: DCN

Semester: IV Year: Second Year

Section: A

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	01/02/2021	<u>UNIT I:</u> Data Communication, Components, Networks		
2	03/02/2021	Network Topology: Mesh, Star, Bus & Ring with its advantages and disadvantages.		
3	04/02/2021	Network types: Local Area Network, Wide Area Network, Switching		
4	05/02/2021	The Internet, Accessing the Internet, Standards and Administration: Internet Standards,		
5	08/02/2021	Internet Administration, Network Models		
6	10/02/2021	Network Models: TCP/IP Protocol Suite		
7	12/02/2021	The OSI Model, Transmission media: Introduction, Guided media & Unguided media-Wireless.		
8	22/02/2021	Switching: Introduction, Circuit Switched Networks, Packet Switching		
9	24/02/2021	UNIT II: Data-link Layer, Framing, Nodes & Links, Services , Two categories of link, Two sub-layers		
10	26/02/2021	Error detection and correction: Introduction, Block Coding, Cyclic codes, Checksum, Forward Error Correction,		
11	01/03/2021	Data link control: DLC services, Data-Link Layer Protocol, HDLC, Point-To-Point Protocol,		
12	03/03/2021	Media Access Control (MAC): Random Access		
13	05/03/2021	Controlled Access		
14	08/03/2021	Channelization.		
15	10/03/2021	Unit IV:Introduction to Network layer Network Layer Services: Packetizing, Routing and Forwarding,		
16	12/03/2021	Other Services Packet Switching: Datagram Approach: Connectionless Service,		
17	15/03/2021	Virtual-Circuit Approach: Connection-Oriented Service		
18	17/03/2021	Network Layer performance: Delay, Throughput, Packet Loss, Congestion Control,		
19	19/03/2021	IPV4 Address: Address Space, Classful Addressing, Classless Addressing		
20	22/03/2021	Dynamic Host Configuration Protocol (DHCP)		
21	24/03/2021	Network Address Resolution (NAT)		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
22	26/03/2021	Forwarding of IP packets: Forwarding Based on Destination Address, Forwarding Based on Label, Routers as Packet Switches		
23	05/04/2021	Unit IV: Network Layer Protocols: Internet Protocol (IP),Datagram Format, Fragmentation, Security of IPv4 Datagrams		
24	07/04/2021	IPv6: IPv6 datagram format, Comparison between IPv4 and Ipv6		
25	09/04/2021	Transition from IPv4 to IPv6, ICMP, datagram format of ICMP		
26	12/04/2021	ICMP4 Messages, Debugging Tools, ICMP Checksum		
27	16/04/2021	Routing Algorithm: Distance Vector Routing Protocol		
28	16/04/2021 (Extra)	Link State Routing, IPV6 Addressing: Representation, Address Space, Address Space Allocation, Auto configuration		
29	19/04/2021	Mobile IP: Addressing, Agents, Three Phases, Inefficiency in Mobile IP		
30	21/04/2021	UNIT V: Introduction to Transport layer: Introduction, Transport-Layer Services, Connectionless and Connection Oriented Protocols		
31	23/04/2021	Transport-Layer Protocols: Simple Protocol, Stop-and-Wait Protocol, Go-Back-N Protocol (GBN), Selective-Repeat Protocol,		
32	24/05/2021	Bidirectional Protocols: Piggy backing, User Datagram Protocols: User Datagram, UDP Services, UDP Applications		
33	28/05/2021	Transmission Control Protocol: TCP Services, TCP Features , Segment, A TCP Connection		
34	31/05/2021	State Transition Diagram, Windows in TCP, Flow Control, Error Control,		
35	02/06/2021	TCP Congestion Control, TCP Timers, Options		
36	04/06/2021	SCTP: SCTP Services, SCTP Features		
37	07/06/2021	Unit IV:Introduction to Application layer: Providing Services, Application-Layer Paradigms, Client-Server Programming: Application Programming Interface, Using Services of the Transport Layer, Iterative Communication Using UDP, Iterative		
38	11/06/2021	World wide web and HTTP: World Wide Web, HTTP		
39	21/06/2021	FTP: Two Connections, Control Connection, Data Connection, Security for FTP, Electronic Mail: Architecture, Web-Based Mail, E-Mail Security,		
40	23/06/2021	Domain Name System (DNS):Name Space, DNS in the Internet, Resolution, Caching, Resource Records, DNS Messages, Registrars, Security of DNS		
41	25/06/2021	Network Management: Introduction. Configuration Management, Fault Management, Performance Management, SNMP: Managers and Agents, Management Components, ASN.1: Language Basics, Data Types, Encoding		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. A. A. Chaudhari

Subject Code: 4KS03

Subject Name: OS

Semester: IV Year: Second Year

Section: A

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	01/02/2021	UNIT 1: Introduction to Operating Systems, Types of OS.		
2	02/02/2021	Understanding Roles of OS with detailed definition, OS Evolution.		
3	03/02/2021	Components of OS, Services, Roles & Responsibilities of OS		
4	04/02/2021	Process: Definition, State Diagram, PCB		
5	08/02/2021	Operations on Processes, Cooperating Processes		
6	10/02/2021	Interprocess Communication, Threads Overview		
7	11/02/2021	Multithreading Models, Threading Issues, Java Threads, Threads, Revision – Unit 1		
8	18/02/2021	UNIT-2 Foundation and Scheduling objectives		
9	22/02/2021	Types of Schedulers, Scheduling criteria		
10	23/02/2021	Throughput, Turnaround Time, Waiting Time, CPU Utilization, Response Time		
11	25/02/2021	Scheduling algorithms: Preemptive and Non preemptive FCFS		
12	01/03/2021	SJF – Preemption & Non Preemption		
13	03/03/2021	Round Robin & Priority Scheduling		
14	04/03/2021	Multilevel Queue, Multilevel Feedback Queue Scheduling, Revision – Numericals		
15	08/03/2021	UNIT-3: Process Synchronisation Problem/ Race Condition		
16	10/03/2021	The Critical Section Problem		
17	15/03/2021	Synchronization Hardware, Semaphores with examples		
18	17/03/2021	Monitors & Deadlocks: Definition & Examples		
19	18/03/2021	Deadlock Prevention , Avoidance		
20	22/03/2021	Deadlock Detection and Recovery from Deadlock. (Revision Unit - 3)		
21	24/03/2021	Unit IV: Introduction to Memory Management (Primary & Secondary Memory)		
22	25/03/2021	Contiguous Memory Allocation		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
23	31/03/2021	Paging & Segmentation with Numericals		
24	01/04/2021	Virtual Memory Management: Background		
25	05/04/2021	Demand Paging		
26	07/04/2021	Page Replacement Policies		
27	08/04/2021	Numericals: Page Replacement , Thrashing, Revision		
28	12/04/2021	UNIT V: File System Interface: Introduction & Directory Structure		
29	15/04/2021	File Sharing & Protection		
30	19/04/2021	File System Implementation, Directory Implementation		
31	21/04/2021	Allocation Methods		
32	22/04/2021	Allocation Methods - Numericals		
33	24/05/2021	Free Space Management		
34	27/05/2021	File Recovery System & Revision Unit 5		
35	31/05/2021	UNIT VI:I/O Systems Overview		
36	02/06/2021	I/O Hardware , Application I/O Interface		
37	03/06/2021	Kernel I/O Interface, Swap Space Management		
38	07/06/2021	Disk Scheduling, Disk Management		
39	10/06/2021	Disk Scheduling Numericals		
40	10/06/2021	Raid Structure & Revision Unit 6		
41	21/06/2021	Gate Question: Unit 1		
42	23/06/2021	Gate Question: Unit 2		
43	24/06/2021	Gate Question: Unit 3		
44	28/06/2021	Gate Question: Unit 4		
45	28/06/2021	Gate Question: Unit 5		
46	29/06/2021	Gate Question: Unit 6		
47	29/06/2021	Revision Unit -1, 2 & 3		
48	30/06/2021	Revision Unit - 4, 5 & 6		

Prof. Ram Meghe Institute of Technology & Research Badnera
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(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. A. B. Pahurkar

Subject Code: 4KS04

Subject Name: MC&ALP

Semester: IV Year: Second Year

Section: A

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	4/2/2021	Introduction to 8086 architecture		
2	5/2/2021	Software model of 8086 microprocessor		
3	9/2/2021	Memory addresses space and data organization		
4	11/2/2021	Data types and pin configuration		
5	12/2/2020	Segment registers, memory segmentation.		
6	18/2/2021	IP & Data registers,.		
7	23/2/2021	Pointer, Index registers		
8	25/2/2021	Memory addresses generation.		
9	26/2/2021	Addressing modes of 8086		
10	2/3/2021	8086 Instruction set overview		
11	4/3/2021	Data Transfer Instructions		
12	5/3/2021	XCHG, XLAT and flag instruction		
13	9/3/2021	Specific address instruction		
14	12/3/2021	Arithmetic Instructions		
15	16/3/2021	addition and subtraction instructions		
16	17/3/2021	multiplication and division instructions		
17	18/3/2021	Examples on instructions		
18	23/3/2021	Examples asked in previous papers		
19	25/3/2021	Examples on programming		
20	26/3/2021	NE		
21	30/3/2021	Programmes		
22	31/3/2021	Introduction to logical instruction		
23	1/4/2021	Rotate and shift instruction examples		

24	6/4/2021	AND, OR, XOR, NOT instructions and programming		
25	8/4/2021	JUMP, CMP and Return Instructions		
26	9/4/2021	programs		
27	15/4/2021	Introduction to stack and instructions		
28	20/4/2021	Introduction to Subroutine and Macros		
29	22/4/2021	Programming related to subroutine and I/O address Space		
30	23/4/2021	Examples		
31	25/5/2021	8086 Interrupts types, priority and instructions. Interrupt vector table,		
32	27/5/2021	External hardware-interrupt interface signals & interrupts sequence		
33	28/5/2021	Interrupt processing sequence and bus cycle of 8088		
34	1/6/2021	8086 microprocessor interrupt programming		
35	3/6/2021	Software interrupts, Non-maskable interrupts		
36	4/6/2021	Introduction to IOT, Sources of IOT		
37	8/6/2021	Conceptual framework of IOT		
38	10/6/2021	Architecture of IOT		
39	11/6/2021	M2M communication		
40	22/6/2021	Examples of IOT		
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Execution Plan

Name of Faculty: Prof. A. R. Deshmukh

Subject Code: 4KS05

Subject Name: TOC

Semester: IV Year: Second Year

Section: A

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	02/02/21	Overview of Subject		
2	03/02/21	Introduction to Finite State Machine		
3	05/02/21	Alphabet, String		
4	09/02/21	Formal and Natural Language		
5	09/02/21	Operations		
6	10/02/21	Definition of Deterministic Finite Automata(DFA)		
7	11/02/21	Design of Deterministic Finite Automata		
8	12/02/21	Examples based on DFA		
9	18/02/21	Examples based on DFA		
10	23/02/21	Non Deterministic Finite Automata(NFA)		
11	24/02/21	Examples based on NFA		
12	25/02/21	Conversion of NFA into DFA		
13	26/02/21	Epsilon NFA		
14	02/03/21	Conversion of NFA with epsilon move to NFA		
15	03/03/21	Definition and construction of Moore machine		
16	04/03/21	Definition and construction of Mealy machine		
17	05/03/21	Conversion of Moore to Mealy		
18	08/03/21	Conversion of Mealy to Moore		
19	09/03/21	Definition and identities of Regular Expression		
20	09/03/21	Construction of Regular Expression (RE) of the given language		
21	10/03/21	Construction of Language from the RE		
22	12/03/21	Conversion of Finite Automata to Regular Expression using Arden's theorem		
23	16/03/21	Examples based on conversion of FA to RE		
24	18/03/21	Interconversion of RE to FA		
25	19/03/21	Interconversion of RE to FA		
Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
26	19/03/21	Pumping Lemma for Regular languages		

27	23/03/21	Pumping Lemma for Regular languages		
28	24/03/21	Regular Grammar		
29	25/03/21	Equivalence of Regular Grammar and Finite Automata		
30	26/03/21	Right Linear Grammar and Left Linear Grammar		
31	30/03/21	Introduction to Context Free Grammar		
32	31/03/21	Formal Definition of Grammar, Notation		
33	01/04/21	Derivation process: Leftmost derivation and Rightmost derivation, Derivation Tree		
34	06/04/21	Construction of context free grammar and language		
35	07/04/21	Simplification of CFG		
36	08/04/21	Introduction and definition of PDA		
37	09/04/21	Construction of PDA		
38	16/04/21	Construction of PDA		
39	20/04/21	Acceptance of CFL		
40	21/04/21	Equivalence of CFL and PDA: Interconversion		
41	22/04/21	Introduction of DCFL and DPDA		
42	23/04/21	Introduction and Formal Definition of Turing Machine		
43	25/05/21	Design of Turing Machine		
44	27/05/21	Design of Turing Machine		
45	28/05/21	Examples based on Turing Machine		
46	01/06/21	Chomsky Hierarchy		
47	02/06/21	Universal Turing Machine, multitape Turing machine		
48	04/06/21	Decidability of problem		
49	08/06/21	Halting Problem of Turing Machine		
50	09/06/21	Recursive enumerable language		
51	10/06/21	Post correspondence problem		
52	21/06/21	Introduction to recursive function theory		
53	22/06/21	Recursive function example		
54	23/06/21	Introduction to context sensitive language		
55	24/06/21	Linear Bounded Automata		
56	29/06/21	Pumping Lemma for CFL		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. S. G. Taley

Subject Code: 4KS01

Subject Name: AI

Semester: IV Year: Second Year

Section: B

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	2/02/2021	Introduction : What Is AI?		
2	4/02/2021	The Foundations of Artificial Intelligence, The History of Artificial Intelligence		
3	5/02/2021	The State of the Art, Risks and Benefits of AI, Intelligent Agents		
4	9/02/2021	Agents and Environments, Good Behavior: The Concept of Rationality		
5	11/02/2021	The Nature of Environments : Task Environments		
6	12/02/2021	Properties of task environments		
7	18/02/2021	Agent structure		
8	23/02/2021	Problem Solving Through AI: Introduction		
9	25/02/2021	Representation the AI Problems		
10	26/02/2021	Production System		
11	02/03/2021	Algorithm of Problem Solving		
12	04/03/2021	Examples of AI Problems		
13	05/03/2021	Nature of AI Problems		
14	09/03/2021	Uninformed Search Strategies: Problem-Solving Agents		
15	12/03/2021	Example Problems		
16	16/03/2021	Search Algorithms		
17	18/03/2021	Uninformed Search Strategies: Breadth-First Search		
18	19/03/2021	Depth First Search, Depth Limited Search,		
19	23/03/2021	Iterative Deepening Depth-First Search		
20	25/03/2021	Uniform-Cost Search, Bidirectional Search,		
21	26/03/2021	Informed Search Strategies: Basic Concept of Heuristic Search		
22	30/03/2021	Basic Concept of Heuristic Knowledge		
23	01/04/2021	Designing of Heuristic Function,		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	06/04/2021	Heuristic Search Strategies: Generate-And-Test, Best-First Search		
25	08/04/2021	Problem Reduction, Hill Climbing		
26	09/04/2021	Constraint Satisfaction, Means-Ends-Analysis		
27	15/04/2021	Adversarial Search & Games : Game Theory		
28	16/04/2021	Optimal Decisions in Games, Mini-Max Search,		
29	20/04/2021	Alpha Beta Pruning, Additional Refinements,		
30	22/04/2021	Monte Carlo Tree Search, Stochastic Games,		
31	23/04/2021	Partially Observable Games		
32	23/04/2021	Limitations of Game Search Algorithms		
33	25/05/2021	Introduction to Knowledge : Introduction		
34	27/05/2021	Types of Knowledge		
35	28/05/2021	Knowledge Representation, Knowledge Storage		
36	31/05/2021	Knowledge Acquisition		
37	01/06/2021	Knowledge Organization and Management		
38	03/06/2021	Basic Concepts of Knowledge Engineering		
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. A. R. Mune

Subject Code: 4KS02

Subject Name: DCN

Semester: IV Year: Second Year

Section: B

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	01/02/2021	UNIT:-1 Introduction: Data Communication		
2	02/02/2021	Components of Data Communication		
3	03/02/2021	Networking Topology		
4	04/02/2021	Network types: Local Area Network, Wide, Area Network		
5	08/02/2021	Switching, The Internet, Accessing the Internet, Standards and Administration: Internet, Standards, Internet Administration		
6	09/02/2021	Network Models: TCP/IP Protocol Suite		
7	10/02/2021	The OSI Model,		
8	22/02/2021	Transmission media: Introduction, Guided media & Unguided media-Wireless		
9	23/02/2021	Switching: Introduction, Circuit, Switched Networks, Packet Switching.		
10	24/02/2021	Revision		
11	01/03/2021	Unit 2: Data link Layer Data Link Layer: Introduction Nodes & Links, Services ,		
12	02/03/2021	Two categories of link, Two sub-layers		
13	03/03/2021	Error detection and correction: Introduction,		
14	10/03/2021	Block Coding		
15	15/03/2021	Cyclic codes		
16	16/03/2021	Checksum, Forward Error Correction		
17	17/03/2021	Data link control: DLC services, Data-Link Layer Protocol		
18	22/03/2021	HDLC,		
19	23/03/2021	Point-To-Point Protocol,		
20	25/03/2021	Media Access Control (MAC): Random Access, Controlled Access, Channelization		
21	05/04/2021	Unit 3: Network Layer:-Introduction to Network layer Network Layer Services: Packetizing, Routing & Forwarding,		
22	06/04/2021	Services Packet Switching: Datagram Approach: Connectionless Service, Virtual-Circuit, Approach: Connection - Oriented Service		
23	07/04/2021	Network Layer performance: Delay,		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	12/04/2021	Throughput, Packet Loss, Congestion Control		
25	15/04/2021	IPV4 Address: Address Space, Classful Addressing, Classless Addressing		
26	19/04/2021	Dynamic Host Configuration Protocol		
27	20/04/2021	Network Address Resolution (NAT), Forwarding of IP packets: Forwarding Based on Destination Address, Forwarding Based on Label,		
28	21/04/2021	Routers as Packet Switches and Revision of Unit_3		
29	24/05/2021	Unit-4:- Network Layer Protocols: Internet Protocol (IP),Datagram Format		
30	24/05/2021	Fragmentation, Security of IPv4 Datagrams		
31	25/05/2021	ICMPV4:-Messages, Debugging Tools, ICMP Checksum		
32	01/06/2021	Mobile IP: Addressing, Agents, Three Phases, Inefficiency in Mobile IP, Routing algorithms: Distance Vector routing, Link State Routing		
33	02/06/2021	.IPV6 Addressing: Representation, Address Space, Address Space Allocation, Auto configuration, Renumbering		
34	03/06/2021	Transition from IPV4 To IVP6:Strategies and USE of IP		
35	07/06/2021	UNIT:-5 Introduction to Transport layer: Introduction, Transport-Layer Services, Connectionless and Connection-oriented Protocols		
36	08/06/2021	Transport-Layer Protocols: Simple Protocol, Stop-and-Wait Protocol, Go-Back-N, Protocol (GBN), Selective-Repeat Protocol, Bidirectional Protocols: Piggy backing		
37	09/06/2021	User Datagram Protocols: User Datagram, UDP Services, UDP Applications		
38	21/06/2021	Transmission Control Protocol: TCP Services, TCP Features , Segment, A TCP Connection, State Transition Diagram, Windows in TCP, Flow Control, Error Control, TCP Congestion Control, TCP Timers, Options		
39	22/06/2021	SCTP: SCTP Services, SCTP Features		
40	23/06/2021	UNIT:_6-Introduction to Application layer: Providing Services, Using Services of the Transport Layer, Iterative Communication Using UDP, Iterative Communication Using TCP, Concurrent Communication		
41	28/06/2021	World wide web and HTTP: World Wide Web, Hyper-Text Transfer Protocol (HTTP) FTP: Two Connections, Control Connection, Data Connection, Security for FTP, Electronic Mail: Architecture, Web-Based Mail, E-Mail Security,		
42	29/06/2021	Domain Name System (DNS):Name Space, DNS in the Internet, Resolution, Caching, Resource Records, DNS Messages, Registrars, Security of DNS, Network Management: Introduction. Configuration Management, Fault		
43	30/06/2021	SNMP: Managers and Agents, Management Components, ASN.1: Language Basics, Data Types, Encoding.		
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Prof. Ram Meghe Institute of Technology & Research Badnera
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(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. N. V. Pardakhe

Subject Code: 4KS03

Subject Name: OS

Semester: IV Year: Second Year

Section: B

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	1/2/2021	Introduction to Operating System		
2	2/2/2021	Types of Operating System		
3	4/2/2021	Components and Services		
4	8/2/2021	Process Concept		
5	9/2/2021	Process Scheduling		
6	11/2/2021	Operations on Processes		
7	22/2/2021	Cooperating Processes		
8	23/2/2021	Interprocess Communication		
9	25/2/2021	Threads Overview, Multithreading Models		
10	1/3/2021	Threading Issues, Java Threads		
11	2/3/2021	Foundation and Scheduling objectives		
12	4/3/2021	Types of Schedulers, Scheduling criteria		
13	11/3/2021	Scheduling algorithms: Pre-emptive and Non pre-emptive		
14	15/3/2021	FCFS		
15	16/3/2021	SJF-Pre-emptive and Non pre-emptive		
16	18/3/2021	Round Robin, Priority		
17	22/3/2021	Multilevel Queue, Multilevel Feedback Queue Scheduling		
18	23/3/2021	Process Synchronization Basics		
19	25/3/2021	The Critical-Section Problem, Synchronization Hardware		
20	31/3/2021	Deadlock: Necessary conditions		
21	1/4/2021	Deadlock Prevention		
22	5/4/2021	Deadlock Avoidance: Bankers Algorithm		
23	6/4/2021	Example on Bankers Algorithm		
24	8/4/2021	Deadlock Detection Algorithm		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
25	12/04/2021	Deadlock Recovery		
26	15/4/2021	Memory Management Introduction		
27	19/4/2021	Dynamic Loading, Linking and Swapping		
27	20/4/2021	Contiguous Memory allocation		
28	22/04/2021	Paging		
29	24/05/2021	Paging Vs Segmentation		
30	25/05/2021	Virtual Memory		
31	27/05/2021	Page Replacement Policies		
32	31/05/2021	Allocation of Frames, Thrashing		
33	1/6/2021	File system Implementation		
34	3/6/2021	File types, File operations		
35	7/6/2021	Directory Structure		
36	8/6/2021	File System Implementation, Directory Implementation		
37	21/6/2021	Allocation Methods, Free space management, Recovery		
38	22/6/2021	I/O System: I/O Hardware, Application I/O Interface		
39	24/6/2021	Disk Scheduling: FCFS, SSTF		
40	28/6/2021	Disk Scheduling: SCAN, C-SCAN, Look, C-Look		
41	29/6/2021	Disk Management, Swap space Management		
42	1/7/2021	RAID Structure		
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. P. B. Lohiya

Subject Code: 4KS04

Subject Name: MC&ALP

Semester: IV Year: Second Year

Section: B

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	1/02/2021	Introduction to processor, memory, data bus, address bus, microcontroller		
2	5/02/2021	Number system- Hex, binary, decimal, octal		
3	8/02/2021	8086 architecture and its working		
4	11/02/2021	Memory address generation scheme		
5	12/02/2021	PA calculation, IP, Instruction queue		
6	18/02/2021	Execution unit		
7	19/02/2021	Flag register 8086		
8	22/02/2021	Index and Pointer Registers		
9	25/02/2021	Data types of 8086		
10	26/02/2021	Memory alignment and data organisation		
11	1/3/2021	Pin diagram of 8086		
12	4/3/2021	Numeric's, Revision, Quiz Session		
13	5/3/2021	Unit 2: Addressing Modes of 8086		
14	8/3/2021	Addressing Modes of 8086		
15	8/3/2021	Addressing Modes of 8086 Numeric's		
16	9/3/2021	Data Transfer Instructions		
17	12/3/2021	Flag Transfer Instructions		
18	15/3/2021	Special Address Transfer Instructions		
19	18/3/21	Addition group of Instruction		
20	19/3/21	Instruction format of 8086 (2 hours)		
21	22/3/21	SUB, Mul and Div Instruction		
22	23/3/21	TASM Introduction		
23	25/3/21	TASM Commands		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	26/3/21	Program related to Arithmetic group		
25	30/3/21	Addition of 10 consecutive numbers		
26	30/3/21	Subtraction of 10 consecutive numbers		
27	1/4/21	Numerics based on instructions		
28	5/4/21	Logical group of Instructions		
29	6/4/21	Shift and Rotate Instructions		
30	8/4/21	Shift and Rotate Numerics		
31	9/4/21	Branching group of Instructions		
32	12/4/21	Data Transfer program		
33	16/4/21	Mean Program and Loop Instruction		
34	19/4/21	AAA, AAM, AAD, AAS Instructions		
35	22/4/21	Square and Quadratic equation program (2 lectures)		
36	27/5/21	Subroutine Programming		
37	28/5/21	Macros Programming		
38	31/5/21	CALL, RET instruction		
39	3/6/21	Programming subroutines, macros		
40	4/6/21	Interrupt 8086		
41	7/6/21	Interrupt handling instruction		
42	10/6/21	Interrupt vector table 8086		
43	11/6/21	Priority of interrupts, summary		
44	21/6/21	Internet of things		
45	24/6/21	Architecture, arduino basics		
46	25/6/21	Future perspective of IOT		
47	28/6/21	Technology aspect, roadmap of IOT		
48	1/7/21	String Programming		
49	2/7/21	Revision session, question bank distribution		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. S. S. Dandge

Subject Code: 4KS05

Subject Name: TOC

Semester: IV Year: Second Year

Section: B

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	1st Feb 2021	Definition of String, null string, string operations, language , Alphabets, The concept of Closure its type		
2	3rd Feb 2021	Finite Automata, its tuples verification of string (Accepted and rejected)		
3	4th Feb 2021	Deterministic Finite Automata Example		
4	5th Feb 2021	Deterministic Finite Automata Example		
5	8th Feb 2021	Non Deterministic Finite Automata, Conversion of NFA into DFA		
6	10th Feb 2021	Conversion of NFA into DFA, NFA with Epsilon, NFA without Epsilon		
7	11th Feb 2021	Examples on Conversion of NFA with epsilon into NFA without Epsilon		
8	18th Feb 2021	Examples on Conversion of NFA with epsilon into NFA without Epsilon		
9	22nd Feb 2021	Finite Automata with Output : Moore Machine, Mealy Machine		
10	24th Feb 2021	Conversion of Mealy machine into Moore Machine		
11	25th Feb 2021	Conversion of Mealy machine into Moore Machine		
12	26th Feb 2021	Conversion of Moore into Mealy Machine and Revision of Unit 1		
13	1st Mar 2021	Unit 2 :- Regular Expression ,Regular sets, Examples on Regular expression		
14	3rd Mar 2021	Identity Rules, Arden's Theorem		
15	4th Mar 2021	Conversion of Finite automata into Regular Expression by using Arden's Theorem		
16	5th Mar 2021	Conversion of Regular expression into NFA with Epsilon		
17	8th Mar 2021	Conversion of Regular expression into NFA with Epsilon		
18	12th Mar 2021	Conversion of Regular expression into NFA without Epsilon		
19	15th Mar 2021	Regular Grammar (Right Linear Grammar and Left Linear Grammar) with example		
20	17th Mar 2021	Conversion of Regular expression into Regular Grammar		
21	18th Mar 2021	Conversion of Regular expression into Regular Grammar		
22	19th Mar 2021	Conversion of Finite automata into Regular Grammar and Revision of Unit II		
23	22nd Mar 2021	Unit III : Context Free grammar , Difference between RG and CFG with Example		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	24th Mar 2021	Derivation TRee LMD, RMD with Examples		
25	25th Mar 2021	Awithmbiguous Grammar with examples		
26	26th Mar 2021	Removing Useless Production, Symbols , Remove Null Production with examples		
27	31st Mar 2021	Removing Unit Production, Combine examples solved on Removing UselesProduction,Null Production		
28	1st Apr 2021	Removing Unit Production, Combine examples solved on Removing UselesProduction,Null Production		
29	5th Apr 2021	Normal form of CGF:- Chomsky Normal Form , Greibach Normal Form, Ex. of CNF		
30	7th Apr 2021	Example of CNF		
31	8th Apr 2021	Example of GNF		
32	9th Apr 2021	Example of GNF by using Lemma Rule		
33	15th Apr 2021	Unit IV :- The working of Push Down Automata (PDA)		
34	16th Apr 2021	Examples of Push Down Automata with verification of a string		
35	19th Apr 2021	Examples of Push Down Automata with verification of a string		
36	22nd Apr 2021	Example of DPDA and NPDA		
37	23rd Apr 2021	Conversion of CFG to PDA		
38	24th May 2021	Conversion of PDA to CFG		
39	27th May 2021	Linear Bounded Automata with examples Revision unit IV		
40	28th May 2021	Unit-V Turning Machine Working, Tuple		
41	31st May 2021	Examples of Turning Machine		
42	2nd June 2021	Examples of Turning Machine		
43	4th June 2021	Examples of Mathematical operation on Turning Machine		
44	4th June 2021	Examples of Mathematical operation on Turning Machine		
45	7th June 2021	Types of Turning Machine, Church's Hypothesis		
46	9th June 2021	Universal Turning Machine , Revise Unit V		
47	10th Jun 2021	Unit-VI:- Post correspondence Problem (PCP) Modified Correspondence Problem (MPCP)		
48	11th Jun 2021	Decidability of Problems, Halting Problem of TM, Un-Decidability:		
49	21st Jun 2021	Recursive enumerable language, Properties of recursive & non-recursive enumerable languages		
50	23rd Jun 2021	Introduction to Recursive Function Theory, Revise Unit VI		
51	24th June 2021	Revision / Solving Extra Problem of Unit 1, Unit 2		
52	25th June 2021	Revision / Solving Extra Problem of Unit 3, Unit 4 and Unit 5.		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. G. J. Sawale

Subject Code: 4KS01

Subject Name: AI

Semester: IV Year: Second Year

Section: C

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	01-02-2021	Introduction to AI, Areas of AI		
2	03-02-2021	Turing test Approach, The cognitive modeling approach, The laws of thought approach, The Rational agent approach		
3	04-02-2021	The Foundations of Artificial Intelligence , The History of Artificial Intelligence , The State of the Art		
4	08-02-2021	Risks and Benefits of AI, Intelligent Agents: Agents and Environments		
5	10-02-2021	Intelligent Agents: Agents and Environments		
6	11-02-2021	Intelligent Agents: Agents and Environments Good Behavior: The Concept of Rationality		
7	15-02-2021	The Nature of Environments, The Structure of Agents		
8	17-02-2021	Problem Solving Through AI: Introduction		
9	18-02-2021	Representation the AI Problems, Production System		
10	22-02-2021	Algorithm of Problem Solving		
11	24-02-2021	Algorithm of Problem Solving Examples of AI Problems,		
12	25-02-2021	Examples of AI Problems, Nature of AI Problems		
13	01-03-2021	Uninformed Search Strategies: Problem-Solving Agents, Example Problems		
14	03-03-2021	Search Algorithms, Uninformed Search Strategies: Breadth-First Search		
15	04-03-2021	Uninformed Search Strategies- Uniform Cost search		
16	08-03-2021	Uninformed Search Strategies: Depth-First Search		
17	10-03-2021	Uninformed Search Strategies: Depth Limited Search		
18	15-03-2021	Uninformed Search Strategies: Iterative Deepening Depth-First Search		
19	17-03-2021	Uninformed Search Strategies: Bidirectional Search,		
20	18-03-2021	Uninformed Search Strategies: Breadth-First Search , Depth-First Search		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
21	05-04-2021	Informed Search Strategies: Basic Concept of Heuristic Search and Knowledge, Designing of Heuristic Function		
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. R. A. Kale

Subject Code: 4KS02

Subject Name: DCN

Semester: IV Year: Second Year

Section: C

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	01/02/2021	Unit-1 Data Communication Introduction, Components of data communication, Data representation		
2	02/02/2021	Data flow, Networks and network criteria, Types of connections		
3	04/02/2021	Physical Topology, Network type		
4	08/02/2021	Switching, The Internet, Accessing the Internet		
5	09/02/2021	Network Models: TCP/IP Protocol Suite		
6	11/02/2021	TCP/IP Protocol Layers		
7	15/02/2021	Router, switches and TCP/IP Protocol Layers		
8	16/02/2021	Encapsulation and Decapsulation, Addressing, Multiplexing and Demultiplexing:		
9	22/02/2021	THE OSI MODEL		
10	23/02/2021	OSI MODEL layers		
11	25/02/2021	Transmission media		
12	01/03/2021	Switching		
13	02/03/2021	Unit-2 Data link layer introduction, nodes and links, services		
14	04/03/2021	Two categories of links, Two sub-layers, Error detection and correction: types of error, Redundancy, .detection versus correction.		
15	08/03/2021	Block Coding		
16	09/03/2021	Cyclic codes		
17	15/03/2021	Checksum, Forward Error Correction		
18	16/03/2021	Data link control: DLC services		
19	18/03/2021	Data-Link Layer Protocol, HDLC		
20	22/03/2021	Point-To-Point Protocol, Media Access Control (MAC): Random Access		
21	23/03/2021	Media Access Control (MAC): Controlled Access, Channelization		
22	25/03/2021	Unit-3 Network layer: Introduction, services		
23	30/03/2021	Network layer services , packet switching: Connectionless service(datagram approach)		
24	01/04/2021	packet switching: Virtual Circuit approach(connection oriented service)		
25	05/04/2021	Network layer Performance, IPv4 introduction		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
25	06/04/2021	IPv4 Address space, notation, classful addressing		
26	08/04/2021	Classless Addressing, Dynamic Host Configuration Protocol		
27	12/04/2021	Network Address Resolution (NAT), Forwarding of IP packets: Forwarding Based on Destination Address		
28	15/04/2021	Forwarding Based on Label, Routers as Packet Switches		
29	19/04/2021	Unit-4 Network Layer Protocols: Internet Protocol (IP), Datagram Format		
30	20/04/2021	Fragmentation concept		
31	22/04/2021	Fragmentation examples		
32	24/05/2021	Options, Security of IPv4 Datagrams		
33	25/05/2021	ICMPv4: Messages, Debugging tools, ICMP Checksum		
34	27/05/2021	Mobile IP: Addressing, Agents, Three Phases, Inefficiency in Mobile IP		
35	31/05/2021	IPV6 Addressing: Representation, Address Space, Address Space Allocation, Transition from IPV4 to IPV6: Strategies, Use of IP Addresses		
36	01/06/2021	Routing Algorithms		
37	03/06/2021	Introduction to Transport layer: Introduction, Transport-Layer Services, Connectionless and Connection Oriented Protocols		
38	07/06/2021	Transport-Layer Protocols: Simple Protocol, Stop-and-Wait Protocol, Go-Back-N Protocol (GBN), Selective-Repeat Protocol Bidirectional Protocols: Piggy backing		
39	08/06/2021	User Datagram Protocols: User Datagram, UDP Services, UDP Applications, Transmission Control Protocol: TCP Services		
40	10/06/2021	TCP Segments, TCP Connection, SCTP: SCTP services and features, comparison between TCP segments and SCTP packets.		
41	24/06/2021	Application layer : Introduction, Providing services of application layer, application layer paradigms		
42	24/06/2021	WWW and HTTP		
43	25/06/2021	FTP, Electronic Mail		
44	28/06/2021	DNS : name space, DNS in the Internet, Resolution, Caching, DNS Messages, Registrars		
45	28/06/2021	Network management types, SNMP, ASN.1		
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. R. R. Karwa

Subject Code: 4KS03

Subject Name: OS

Semester: IV Year: Second Year

Section: C

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	02-02-21	Unit I: Introduction to OS, Component of Computer		
2	04-02-21	Component of OS, OS Services		
3	05-02-21	Introduction to Process, Process Control Block		
4	09-02-21	Process State Diagram, Schedulers		
5	11-02-21	Process Scheduling		
6	12-02-21	Cooperating Process, IPC		
7	23-02-21	Threads, Multithreading, Issues		
8	25-02-21	Unit II: Introduction to CPU scheduling, Criteria		
9	26-02-21	FCFS Numerical		
10	02-03-21	SJF Non Preemptive Numerical		
11	04-03-21	SJF Preemptive, Priority Numerical		
12	05-03-21	Round Robin Numerical		
13	08-03-21	Round Robin, Multilevel, Multilevel Feedback		
14	09-03-21	Unit III: Introduction to Process Synchronization		
15	16-03-21	Producer Consumer Problem and Race Condition, Critical Section		
16	18-03-21	Two Process Solution Algorithms (1,2,3)		
17	19-03-21	Multiple Process Solution Algorithms (Bakery and Lock)		
18	23-03-21	Synchronization Hardware (Test and Set, Swap Instruction)		
19	25-03-21	Semaphore (Basic definition), Wait & Signal Operation		
20	26-03-21	Semaphore (Counting & binary), Monitor		
21	30-03-21	Deadlock(definition, Necessary Condition)		
22	31-03-21	Deadlock(Resource allocation graph)		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
23	01-04-21	Deadlock Handling Methods(Prevention, Ignorance)		
24	06-04-21	Banker's Algorithm (First part: Safety algorithm)		
25	08-04-21	Banker's Algorithm (Second Part: Resource Request Algorithm)		
26	09-04-21	Banker's algorithm numerical, Deadlock detection & recovery		
27	15-04-21	Unit IV: Background: Memory Hierarchy		
28	16-04-21	Background: Address Binding, LA PA, Linking, Loading		
29	19-04-21	Memory Management Contiguous Techniques: Fixed and Variable		
30	20-04-21	Algorithm- First Fit, Best Fit, Worst Fit		
31	21-04-21	Introduction to Paging		
32	22-04-21	Paging : Model, Hardware, Protection, Shared Pages		
33	23-04-21	Implementation of Page table , Introduction to Segmentation		
34	25-05-21	Segmentation Hardware and Implementation		
35	27-05-21	Virtual Memory:Demand Paging,PageFault		
36	28-05-21	Page Replacement Policy: FIFO		
37	01-06-21	Page Replacement Policy: LRU		
38	03-06-21	Page Replacement Policy: Optimal, Thrashing		
39	04-06-21	Unit V- File System Introduction, Access Methods		
40	08-06-21	Directory, Types of Directories, File Mounting		
41	10-06-21	Sharing, Protection, File System Structure & Implementation		
42	11-06-21	Directory System Implementation, Allocation:Contiguous, Linked		
43	21-06-21	Allocation, Free Space, Efficiency Performance, Recovery		
44	22-06-21	Unit 6: Disk Architecture, Disk Scheduling Time Parameters		
45	24-06-21	Disk Scheduling Algo-FCFS,SSTF,SCAN,LOOK,C-SCAN,C-LOOK		
46	25-06-21	Disk Management + I/O system hardware, BUS structure, Registers		
47	30-06-21	Kernel subsystem, DMA, remaining topics		
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. G. B. Saboo

Subject Code: 4KS04

Subject Name: MC&ALP

Semester: IV Year: Second Year

Section: C

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	1/2/21	UNIT I: Introduction to Microprocessor & ALP		
2	2/2/21	Architecture of 8086		
3	8/2/21	Register Organisation of 8086, Data Registers		
4	9/2/21	Flag Register, Memory Address Generation		
5	11/2/21	Physical Address Calculation, Software Model of 8086		
6	18/2/21	Memory Address Space and Data Organisation		
7	18/2/21	Data Types, Memory Segmentation		
8	22/2/21	UNIT II: Instruction Set, MOV, XCHG		
9	23/2/21	Instructions: ADD, ADC, INC, DAA		
10	25/2/21	Instructions: AAA, SUB, SBB, DEC, NEG		
11	1/3/21	Instructions: DAS, AAS, MUL, IMUL, DIV, IDIV		
12	2/3/21	Instructions: CBW, CWD, LEA, LDS		
13	4/3/21	LES, Addressing Modes		
14	9/3/21	Programs based on Data Transfer and Arithmetic Instruction		
15	12/3/21	Unit III: Instructions: AND, OR, NOT, XOR, SHR, SAR, SHL, SAL		
16	15/3/21	Flag Control Instruction, Compare Instruction		
17	16/3/21	Unconditional Jump and Conditional Jump Instruction		
18	18/3/21	CALL and RET Instruction (Intrasegment)		
19	22/3/21	CALL and RET Instruction (Intersegment), Machine Control Instruction		
20	23/3/21	Branch Program Structure, LOOP Instructions		
21	25/3/21	Programs based on Instruction set of 8086		
22	30/3/21	UNIT IV: 8086 Stack Segment and stack related instruction		
23	1/4/21	Subroutines, CALL, RET, Near and Far Procedure		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	5/4/21	Directives, Concept of Macro		
25	6/4/21	Directives, Concatenation in Macro		
26	8/4/21	Nested Macro with example		
27	12/4/21	Recursive Macro, Passing the Parameters		
28	15/4/21	Interrupt and Its Type		
29	19/4/21	Programs based on instruction set of 8086		
30	20/4/21	Programs based on instruction set of 8086		
31	22/4/21	Programs based on instruction set of 8086		
32	24/5/21	UNIT V: Interrupt Types, Priority		
33	25/5/21	Interrupt Vector Table, Interrupt Instruction		
34	27/5/21	Interrupt Response, Enabling and Disabling Interrupts		
35	31/5/21	External Hardware- Interrupt Interface Signal and Sequence		
36	1/6/21	Software Interrupt, NMI Interrupt, 8086 Interrupt Programming		
37	3/6/21	UNIT VI: Internet of Things: An Overview		
38	4/6/21	IoT Conceptual Framework		
39	7/6/21	IoT Architectural View		
40	8/6/21	Technology Behind IoT		
41	10/6/21	Sources of IoT		
42	21/6/21	M2M Communication		
43	22/6/21	Examples of IoT		
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. K. R. Hole

Subject Code: 4KS05

Subject Name: TOC

Semester: IV Year: Second Year

Section: C

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	01/02/21	UNIT-1 : TOC basics, symbols used, Finite automata		
2	02/02/21	DFA,NFA examples		
3	03/02/21	DFA- examples of starts with		
4	04/02/21	DFA- examples of ends with		
5	05/02/21	DFA- example of starts with and ends with		
6	08/02/21	DFA- examples of substring		
7	09/02/21	DFA- examples of except/ not including/ other than		
8	10/02/21	DFA- more basic examples		
9	12/02/21	DFA- examples of even odd for single input		
10	22/02/21	DFA- examples of even odd for double input		
11	23/02/21	NFA- introduction and examples		
12	24/02/21	Conversion of NFA with epsilon into without epsilon		
13	26/02/21	Conversion of NFA to DFA		
14	01/03/21	Mealy and Moore machine- introduction and example		
15	02/03/21	Mealy to Moore conversion		
16	03/03/21	UNIT II : Regular Expression Basics, Operations & rules		
17	05/03/21	Conversion of Finite automata to RE with Arden's Theorem		
18	08/03/21	Conversion of Finite automata to RE with examples		
19	09/03/21	Conversion of RE to NFA with epsilon		
20	10/03/21	Conversion of RE to NFA without epsilon		
21	12/03/21	Regular Grammar with types- Right LG & Left LG		
22	15/03/21	Right Linear Grammar & Left Linear Grammar examples		
Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD

23	16/03/21	Pumping Lemma with examples		
24	17/03/21	UNIT III : Context free grammar with examples		
25	19/03/21	Derivation tree- leftmost & rightmost with parse tree		
26	22/03/21	Ambiguous Grammar with examples		
27	23/03/21	Removing useless, null & unit productions with examples		
28	24/03/21	Normal forms of CFG- Chomsky NF with examples		
29	25/03/21	Normal forms of CFG- Greibach NF with examples		
30	30/03/21	GNF With Lemma rule		
31	31/03/21	Push Down Automata(PDA)- examples		
32	05/04/21	UNIT V : Chomsky Hierarchy and types		
33	06/04/21	DPDA & DCFL with examples		
34	07/04/21	Linear bounded Automata		
35	09/04/21	Linear bounded Automata examples, Computability & decidability.		
36	12/04/21	UNIT VI : Recursive Language and properties		
37	15/04/21	PCP, MPCP examples		
38	28/05/21	Basic Recursive functions		
39	30/05/21	Recursive functions with examples : Addition, Subtraction		
40	01/06/21	Recursive functions with examples : Multiplication, Factorial		
41	02/06/21	UNIT IV : Turing Machine, Turing Machine model and tuples		
42	04/06/21	Turing Machine examples- Given language & One's compliment		
43	07/06/21	Turing Machine examples- Given languages		
44	08/06/21	Turing Machine examples- Given languages		
45	11/06/21	Turing Machine examples- Addition operation		
46	21/06/21	Types of TM		
47	22/06/21	Types of TM		
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. M. A. Deshmukh

Subject Code: 6FEKS05

Subject Name: DBMS-FE1

Semester: VI Year: Third Year

Section:

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	22/01/21	UNIT 1: Introduction to DBMS, Applications		
2	23/01/21	View of Data, Instances & Schemas, Data Models		
3	29/01/21	Database Languages		
4	30/01/21	Database Structure, E-R Model		
5	05/02/21	types of Attributes, Relationship model		
6	06/02/21	Cardinality Constraints, Keys, Relational Algebra		
7	12/02/21	UNIT 2: Data Definition, Basic Structure of SQL queries		
8	26/02/21	Set Operations, Aggregate Functions		
9	27/02/21	Complex Queries, Views, Modification of Database, Joined relations.		
10	5/3/21	SQL Data Types and Schemas, Integrity Constraints, Authorization		
11	6/3/21	UNIT 3: Relational Database Design: Atomic Domains,		
12	12/3/21	Normalization and Normal Forms		
13	13/3/21	Functional Dependencies, Decomposition using Functional Dependencies		
14	15/5/21	Unit 4: Measures of Query Cost, Selection Operation, Sorting, Join Operation, Other Operations, Evaluation of Expressions.		
15	21/5/21	Query Optimization: Overview, Transformation of Relational Expressions,		
16	22/5/21	Materialized Views Unit 5: Transaction Management: Transaction Concept,		
17	28/5/21	Serializability		
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

OS Execution Plan

Name of Faculty: Prof. Ms. K. H. Deshmukh

Subject Code: 6KS01

Subject Name: OS

Semester: VI Year: Third Year

Section: A

Sr. No	Date	Topics to be Covered	Sign. of	Sign. of HOD
1	27/01/2021	UNIT I:Prerequisites for Operating System, Introduction: Operating System(OS) definition		
2	28/01/2021	Operating System Evolution, Operating System Components, Operating System Services		
3	29/01/2021	Process Concept, Process Management, Main-Memory Management, Secondary-Storage Management, I/O System		
4	01/02/2021	Caching, Spooling, File Management, Protection System, Networking.		
5	02/02/2021	Command Interpreter System, Services of OS, System Calls, Virtual Machine.		
6	03/02/2021	Process Concept, Process State Diagram, Process Control Block,		
7	04/02/2021	Process Scheduling, Operation on Processes, Cooperating Processes,		
8	05/02/2021	Inter-process Communication, Synchronization, Buffering,		
9	08/02/2021	Threads: Multithreading Models,		
10	09/02/2021	Threading Issues, Java Threads.		
11	15/02/2021	Revision Unit I.		
12	16/02/2021	UNIT II : CPU Scheduling: Concepts, Scheduling Criteria,		
13	17/02/2021	CPU Scheduler, Types of Scheduling (Preemptive, Non-Preemptive), Dispatcher.		
14	18/02/2021	Scheduling Algorithms (FCFS with Example)		
15	22/02/2021	Scheduling Algorithms (SJF with Example)		
16	23/02/2021	Scheduling Algorithms (Priority Scheduling with Example)		
17	24/02/2021	Scheduling Algorithms (Round Robin with Example)		
18	25/02/2021	Process Synchronization: The Critical Section Problem,		
19	26/02/2021	Solution For Critical section Problem: Synchronization Hardware type, software type solutions,		

Sr. No	Date	Topics to be Covered	Sign. of	Sign. of HOD
20	01/03/2021	Semaphore, types of Semaphore, Monitor.		
21	02/03/2021	Deadlocks: Definition & Characterization, Resource Allocation Graph.		
22	03/03/2021	Resource Allocation Graph Example.		
23	04/03/2021	Resource Allocation Graph Example (with Deadlock).		
24	05/03/2021	Deadlock Prevention, Deadlock Avoidance,		
25	08/03/2021	Banker's Algorithm Problem.		
26	09/03/2021	Deadlock Detection and Recovery		
27	10/03/2021	Revision Unit II		
28	12/03/2021	Unit III: Memory Management: Background, Swapping.		
29	15/04/2021	Contiguous Memory Allocation: First Fit, Best Fit, Worst Fit.		
30	19/04/2021	Fragmentation w.r.t. Fixed Partitioning, Variable Partitioning		
31	29/04/2021	Non-Contiguous Memory Allocation: Paging		
32	30/04/2021	Paging Hardware, Hierarchical Paging		
33	03/05/2021	Segmentation, Physical Address calculation Problems w.r.t. Paging and Segmentation		
34	04/05/2021	Virtual Memory, Demand Paging, Steps to Handle Page Fault.		
35	05/05/2021	Page Replacement Algorithm. FIFO, LRU and Optimal with Problems.		
36	06/05/2021	UNIT IV: Introduction to File-System Interface, types of access.		
37	07/05/2021	Directory Structure, Operations on Directory, Single Level Directory, Two Level Directory		
38	12/05/2021	Tree Structured Directory, Acyclic graph Structured Directory		
39	17/05/2021	File System Protection, Types of Access, Access Control, Types of Users		
40	18/05/2021	File System Structure, File System Implementation, Virtual File System.		
41	19/05/2021	Directory Implementation, Allocation Methods.		
42	20/05/2021	Free Space Management, Efficiency and Performance, Recovery		
43	21/05/2021	UNIT V: I/O Systems: Overview, I/O Hardware, Application I/O Interface.		
44	24/05/2021	Kernel I/O Subsystem, Transforming I/O to Hardware Operations.		
45	25/05/2021	Disk Scheduling, Disk Management.		
46	27/05/2021	Swap-Space Management, RAID Structure.		
47	28/05/2021	UNIT VI: The Linux System: History, Design Principles, Kernel Modules		
48	31/05/2021	Process Management, Scheduling, Memory Management		
49	01/06/2021	File systems, Input and Output in Linux, Inter process Communication, Network Structure & Security in Linux		

Prof. Ram Meghe Institute of Technology & Research Badnera
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Execution Plan

Name of Faculty: Prof. Ms. P. P. Deshmukh

Subject Code: 6KS02

Subject Name: DBS

Semester: VI Year: Third Year

Section: A

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18/01/2021	Unit-I: Database System Applications, Database Systems versus File Systems		
2	19/01/2021	View of Data, Data Models		
3	20/01/2021	Database Languages, Database Users and Administrators		
4	21/01/2021	Transaction Management, Database System Structure		
5	22/01/2021	Application architectures, History of Database Systems.		
6	25/01/2021	Entity Relationship Model, Basic Concepts, Constraints		
7	28/01/2021	Keys, Design Issues, Entity-Relationship Diagram		
8	29/01/2021	Weak Entity Sets, Extended E-R Features		
9	01/02/2021	Design of an E-R Database Schema		
10	02/02/2021	Reduction of an E-R Schema to Tables. And solved university problems		
11	04/02/2021	Unit-II: Relational Model: Structure of Relational Databases		
12	05/02/2021	The Relational Algebra		
13	08/02/2021	Extended Relational-Algebra Operations		
14	09/02/2021	Modification of the Database		
15	15/02/2021	Views		
16	16/02/2021	Tuple Relational Calculus		
17	18/02/2021	Domain Relational Calculus		
18	23/02/2021	SQL: Basic Structure		
19	25/02/2021	Set Operations		
20	26/02/2021	Aggregate Functions		
21	01/03/2021	Null Values		
22	02/03/2021	Nested Sub-queries		
23	04/03/2021	Views and solved university problems		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	04/03/2021	Unit-III: Integrity and Security		
25	05/03/2021	Domain Constraints, Referential Integrity		
26	09/03/2021	Assertions, Triggers		
27	15/04/2021	Security and Authorization, Authorization in SQL,		
28	29/04/2021	Encryption and Authentication, Relational-Database Design:,		
29	30/04/2021	First Normal Form, Pitfalls in Relational-Database, Design,		
30	18/03/2021	Functional Dependencies, Decomposition,		
31	03/05/2021	BCNF, Third, Fourth and more Normal Forms		
32	04/05/2021	Overall Database Design Process.		
33	06/05/2021	Unit-IV: Query Processing: Overview, Measures of Query Cost,		
34	07/05/2021	Selection Operation, Sorting,		
35	10/05/2021	Join Operation, Other Operations		
36	11/05/2021	Evaluation of Expressions, Query Optimization		
37	13/05/2021	Overview, Estimating Statistics of Expression Results		
38	17/05/2021	Transformation of Relational Expressions		
39	18/05/2021	Choice of Evaluation Plans		
40	20/05/2021	Materialized Views		
41	21/05/2021	Unit-V: Transaction Management: Transaction Concept, Transaction State		
42	24/05/2021	Implementation of Atomicity and Durability		
43	25/05/2021	Concurrent Execution, Serializability		
44	27/05/2021	Recoverability, Implementation of Isolation		
45	28/05/2021	Transaction Definition in SQL		
46	31/05/2021	Testing for Serializability		
47	01/06/2021	Unit-VI: Concurrency Control: Lock-Based Protocols		
48	02/06/2021	Timestamp- Based Protocols, Validation-Based Protocols		
49	04/06/2021	Multiple Granularities, Multi-version Schemes		
50	07/06/2021	Deadlock Handling, Insert an Delete Operations Weak Levels of Consistency		
51	08/06/2021	Concurrency in Index Structures. Recovery System: issues & solutions		
52	08/06/2021	Question Paper Solve		
53	09/06/2021	Gate Question Paper solved		
54	10/06/2021	Both University & Gate Questions discussed		

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Execution Plan

Name of Faculty: Prof. Ms. P. N. Deshmukh

Subject Code: 6KS03

Subject Name: CRM

Semester: VI Year: Third Year

Section: A

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18/01/21	Unit 1: Introduction of System Management, Task , objective and Purpose of System Management		
2	19/01/21	Building a Business case for System Management, Role of Business case for System Management, Goal of Business case		
3	20/01/21	Organizing for System Management		
4	21/01/21	Factors to consider in Designing IT organizations and Infrastructure.		
5	25/01/21	Staffing for system Management		
6	27/01/21	IT as Service		
7	28/01/21	IT service Management		
8	2/02/21	Unit 2: Introduction of Problem Management, Availability and Terms (Uptime , Downtime, slow Response, High Availability)		
9	3/02/21	Components of Availability, Characteristics of an availability,Methods for Measuring Availability.		
10	4/02/21	Seven R's of high availability		
11	8/02/21	Performance and Tuning and Problem Management		
12	9/02/21	Key Steps To Developing a Problem Management process		
13	15/02/21	Unit 3: Storage Management : Definition and Desired Traits		
14	16/02/21	Prioritized Characteristics of a Storage Management Process Owner		
15	17/02/21	Four keys to Storage Management: Capacity, Performance, Reliability,		
16	18/02/21	Recoverability		
17	22/02/21	Network Management: Definition, Characteristics of Process Owner in Network Management		
18	23/02/21	key Decisions about Network Management		
19	24/02/21	Assessing, Measuring and Streamlinig an Infrastructure's Network Management Process		
20	25/02/21	Unit 4: Configuration Management: Definition		
21	1/03/21	Practical Tips for Improving Configuration Management		
22	2/03/21	Capacity Planning: Definition , reasons for poor capacity Planning		
23	4/03/21	Developing an Effective Capacity Planning Process		
24	5/03/21	Benefits and hints for effective capacity planning		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
25	08/03/21	Unit 5: Introduction of Strategic Security		
26	09/03/21	Developing a Strategic security process		
27	10/03/21	Steps for Developing a Strategic Security Process		
28	15-04-21	Assessing an Infrastructure's Strategic Management Process		
29	29-04-21	Facilities Management: Definition		
30	03-05-21	Major Elements for Facilities Management		
31	04-05-21	Major Elements Tips, Assessing, Measuring and Streamlining the Facilities Management Process		
32	05-05-21	Group Discussion and Question Answer Session.		
33	06-05-21	Revised topic and Question Answer Session.		
34	10-05-21	Unit 6 :Developing Robust Processes		
35	11-05-21	Features of World-Class Infrastructure.		
36	12-05-21	Common Criteria of World-Class Infrastructure.		
37	17-05-21	Characteristics of a Robust Process.		
38	18-05-21	Characteristics of a Robust Process.		
39	19-05-21	Difference between Service and Process metrics		
40	20-05-21	Difference between formal and Informal Process.		
41	24-05-21	Helpful Ground Rules for Brainstorming		
42	25-05-21	Integrating Systems Management Processes		
43	27-05-21	The value of distinguishing Strategic from Tactical Processes		
44	31-05-21	Client-Server Environment Issues, Web-Enabled Environment Issues.		
45	01-06-21	Revised topic and Question Answer Session.		

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Execution Plan

Name of Faculty: Prof. S. P. Akarte

Subject Code: 6KS04

Subject Name: CA

Semester: VI Year: Third Year

Section: A

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18/01/2021	Unit: I- Introduction to CA, difference between CO & CA		
2	19/01/2021	Instruction Sets: Machine Instruction Characteristics		
3	20/01/2021	Instruction Format, Address system for instruction		
4	21/01/2021	Types of Operands, Intel x86 Data Types		
5	22/01/2021	ARM Data Types		
6	25/01/2021	Types of Operations		
7	27/01/2021	Intel x86 operations		
8	28/01/2021	ARM operations		
9	01/02/2021	Unit: II- Instruction Sets		
10	03/02/2021	Addressing Modes		
11	04/02/2021	x86 Addressing modes		
12	05/02/2021	x86 Addressing modes		
13	08/02/2021	ARM Addressing modes		
14	15/02/2021	ARM Addressing modes		
15	17/02/2021	Instruction Formats,		
16	18/02/2021	x86 and ARM Instruction Formats, Assembly language		
17	22/02/2021	Processor Structure and Function: Processor Organization,		
18	24/02/2021	Register Organization, The Instruction Cycle,		
19	25/02/2021	The Instruction Cycle state diagram, Instruction Pipelining,		
20	26/02/2021	Instruction Pipelining Hazards, Resource Hazards		
21	01/03/2021	Data and Control Hazards		
22	03/03/2021	The x86 Processor Family, The ARM Processor		
23	04/03/2021	Reduced Instruction Set Computers (RISCs): Instruction Execution Characteristics		

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	05/03/2021	The Use of Large Register File, Register Window		
25	08/03/2021	Circular Buffer Window organization,		
26	10/03/2021	Compiler-Based Register Optimization, Graph color approach		
27	12/03/2021	RISC Architecture, RISC Pipelining. RISC versus CISC		
28	15/04/2021	Unit-5- Control Unit Operation: Micro-operations		
29	29/04/2021	Functions of Processor, Control of the Processor		
30	30/04/2021	Different Cycles of Instruction execution		
31	03/05/2021	Flowchart of Instruction Execution		
32	05/05/2021	Hardwired Implementation,		
33	06/05/2021	Micro programmed control,		
34	07/05/2021	Wilke's Micro programmed Control Unit		
35	10/05/2021	Basic Concepts, Microinstruction Sequencing & Execution.		
36	12/05/2021	Microinstruction Sequencing & Execution.		
37	17/05/2021	Unit-6- Parallel Processing: The Use of Multiple Processors.		
38	19/05/2021	SISD, SIMD,MISD,MIMD		
39	20/05/2021	Symmetric Multiprocessors		
40	21/05/2021	Multithreading		
41	24/05/2021	Chip Multiprocessors,		
42	27/05/2021	Clusters,		
43	28/05/2021	Multicore Organization, Intel x 86 MultiCore Organizations.		

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Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. M. A. Deshmukh

Subject Code: 6KS06

Subject Name: PE

Semester: VI Year: Third Year

Section: A

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	19/01/21	UNIT 1: Introduction to PE, New possibilities & A Vacuum of Policies		
2	20/01/21	Computers Used in Social Context, Moral and Legal Issues		
3	27/01/21	Philosophical Ethics, Ethical relativism		
4	02/02/21	Utilitarianism, DEONTOLOGICAL THEORIES		
5	03/02/21	Need of professional ethics		
6	09/02/21	UNIT 2: <i>Ethics Online</i>		
7	10/02/21	<i>New species of old crime, Netiquette,</i>		
8	23/02/21	<i>Privacy, Computer Ethics</i>		
9	24/02/21	<i>Property rights in computer software</i>		
10	02/03/21	UNIT 3: Accountability, Buying and Selling Software		
11	03/03/21	Different senses of Responsibility		
12	09/03/21	Y2K Problem, Diffusion of Accountability		
13	10/03/21	Technology and Social change		
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. A. O. Sable

Subject Code: 6FEKS05

Subject Name: SPM-FE2

Semester: VI Year: Third Year

Section:

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	22/01/21	Unit 1- Intro. to Software, Evolving Role of Software		
2	23/2/21	Software Crisis, Software Myths		
3	23/1/21	Software Engg., Layered Technology		
4	29/1/21	Process Model		
5	30/1/21	Waterfall model		
6	30/1/21	Prototyping model		
7	05/2/21	RAD Model, Incremental model		
8	06/02/21	Spiral Model, Project Management concept		
9	06/02/21	W5HH Principa lutu		
10	20/2/21	Unit-6 Software Testing , Testing principle		
11	20/02/21	Whitebox testing, Black Box Testing		
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Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Dr. Ms. V. M. Deshmukh

Subject Code: 6KS01

Subject Name: OS

Semester: VI Year: Third Year

Section: B

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18/1/21	Operating Systems : Introduction Users and Systems View		
2	19/1/21	Mainframe Systems, Multiprogrammed systems		
3	20/1/21	Operating System Structures: Services		
4	21/1/21	Systems Components		
5	22/1/21	System design and implementation		
6	25/1/21	Process management : concept scheduling		
7	28/1/21	Operations on processes		
8	29/1/21	Cooperating processes Interprocess communication		
9	2/2/21	Threads : multithreading models		
10	3/2/21	Threading issues Pthreads Java threads		
11	4/2/21	CPU Scheduling Scheduling criteria		
12	5/2/21	Scheduling criteria		
13	8/2/21	Scheduling Algorithms FCFS algorithm Example		
14	9/2/21	Shortest Job First : Example		
15	10/2/21	Priority Scheduling : Example		
16	11/2/21	Round Robin Scheduling : Example		
17	12/2/21	Multilevel Queue Scheduling		
18	4/3/21	Process Synchronization Critical section problem		
19	5/3/21	Semaphores		
20	8/3/21	Synchronization Hardware		
21	11/3/21	Deadlocks System Models		
22	12/3/21	Methods of Handling deadlocks		
23	29/4/21	Deadlocks RAG Deadlock prevention		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	30/4/21	Deadlock Avoidance		
25	3/5/21	Memory management Contiguous allocation		
26	4/5/21	Paging and Segmentation		
27	5/5/21	Virtual Memory Demand paging Page replacement		
28	6/5/21	Files Concept Directory structure File sharing Mounting and protection		
29	7/5/21	File system structure and implementation Allocation methods		
30	10/5/21	Free space management Efficiency ,Performance, Recovery		
31	11/5/21	I/O systems Kernel I/O system STREAMS		
32	12/5/21	Disk Scheduling Algorithms FCFS, SSTF, SCAN, C-SCAN, LOOK		
33	13/5/21	Disk Management Swap system management		
34	14/5/21	The Linux system Process management Scheduling		
35	18/5/21	Memory management Scheduling Interprocess communication		
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Prof. Ram Meghe Institute of Technology & Research Badnera
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(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. Y. S. Alone

Subject Code: 6KS02

Subject Name: DBS

Semester: VI Year: Third Year

Section: B

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18-01-21	Introduction to Database system		
2	19-01-21	Database Systems versus File Systems, Data Abstraction Level		
3	20-01-21	Database Languages, Database Users and Administrators, Transaction Management		
4	22-01-21	Database System Structure, Application architectures		
5	25-01-21	History of Database Systems. Entity- Relationship Model		
6	27-01-21	Basic Concepts of E-R, Constraints		
7	29-01-21	Keys, Design Issues, Entity-Relationship Diagram		
8	01-02-21	Weak Entity Sets, Extended E-R Features		
9	02-02-21	Extended E-R Features		
10	03-02-21	Design of an E-R Database Schema		
11	26-02-21	Reduction of an E-R Schema to Tables.		
12	12-03-21	Example Based on E-R Schema		
13	30-04-21	Relational Model: Structure of Relational Databases		
14	30-04-21	Fundamental Relational-Algebra Operations		
15	03-05-21	Additional Relational-Algebra Operations, Extended Relational-Algebra Operations		
16	03-05-21	Modification of the Database, Views.		
17	04-05-21	Tuple Relational Calculus, Domain Relational Calculus, SQL		
18	05-05-21	SQL: Basic Structure, Set Operations, Aggregate Functions, Null Values, Nested Subqueries, Views		
19	10-05-21	Assertions, Triggers, Security and Authorization		
20	10-05-21	Authorization in SQL, Encryption and Authentication		
21	11-05-21	Relational-Database Design: INF, Pitfalls in Relational-Database Design		
22	12-05-21	Functional Dependencies, Types of FD, Example of FD		
23	12-05-21	Decomposition, Overall Database Design Process		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	17-05-21	Normalization		
25	17-05-21	Type of Normalization		
26	18-05-21	Query Processing :Overview, Measures of Query Cost, Selection Operation		
27	19-5-21	Selection Operation using indices,Selections Involving Comparisons,Implementation of Complex Selections,Algorithms for Complex Selections,Sorting		
28	19-5-21	Join operation algorithm,merge join,hash join		
29	20-5-21	Evaluation of Expressions:materialization and pipelining,Equivalence Rules		
30	20-5-21	Evaluation Plan,Heuristic Optimization,Materialized View,View Maintenance		
31	20-5-21	Transaction Management,Properties of Transaction,State of transaction,shadow copy,schedule		
32	21-05-21	schedule based on Recoverability:1.Recoverable,2.Cascadeless		
33	24-05-21	3.Strict Schedule,Implementation of Isolation		
34	24-05-21	Transaction in SQL		
35	25-05-21	Testing for serializability:Test for conflict serializability		
36	27-05-21	Test for View Serializability		
37	28-05-21	Concurrency Control Management,Lock Based Protocol		
38	28-05-21	Two Phase Locking Protocol		
39	31-05-21	Timestamp- Based Protocols		
40	31-05-21	Validation-Based Protocols		
41	01-6-21	Multiple Granularities,Multi-version Schemes		
42	01-6-21	Deadlock Handling, Insert and Delete Operations		
43	02-6-21	Weak Levels of Consistency		
44	02-6-21	Concurrency in Index Structures		
45	04-6-21	Relational Algebra queries		
46	07-6-21	Problem based on Relational Algebra queries & SQL		
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. S. P. Ingale

Subject Code: 6KS03

Subject Name: CRM

Semester: VI Year: Third Year

Section: B

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18/01/21	Systems Management: Definition		
2	19/01/21	Building a Business Case for Systems Management		
3	21/01/21	Organizing for Systems Management		
4	22/01/21	Factors to Consider in Designing IT Organizations and Infrastructure		
5	25/01/21	Designing IT Organizations and Infrastructure		
6	28/01/21	Staffing for Systems Management		
7	29/01/21	IT as Service		
8	01/02/21	IT Service Management.		
9	02/02/21	Unit 2 Availability		
10	04/02/21	Methods for Measuring Availability		
11	05/02/21	Seven 'Rs' of High Availability		
12	08/02/21	Performance and Tuning, Definition and characteristics		
13	09/02/21	Performance and Tuning Applied to the Five Major Resource Environments		
14	16/02/21	Problem Management: Definition and scope.		
15	18/02/21	Key Steps to Developing a Problem Management Process Storage Management		
16	22/02/21	Unit 3 Storage Management: Definition, Desired Traits,		
17	23/02/21	Capacity, Performance,		
18	24/02/21	Reliability, Recoverability RAID		
19	25/02/21	Network Management: Definition		
20	26/02/21	Key Decisions about Network Management, Assessing		
21	01/03/21	Measuring and Streamlining an Infrastructure's Network Management Process		
22	02/03/21	Unit 4 Capacity Planning: Definition		
23	03/03/21	Reasons for poor Capacity Planning		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	04/03/21	Developing an Effective Capacity Planning Process		
25	05/03/21	Benefits and hints for effective capacity planning		
26	08/03/21	Configuration Management, Definition		
27	09/03/21	Practical Tips for Improving Configuration Management		
28	12/03/21	Practical Tips for Improving Configuration Management, Revision		
29	15/04/21	Revision Capacity Planning		
30	29/04/21	Unit 5 Strategic Security: Definition		
31	04/05/21	Developing a Strategic Security Process, Assessing, Measuring and Streamlining the Security Process		
32	06/05/21	Developing a Strategic Security Process, Assessing, Measuring and Streamlining the Security Process		
33	07/05/21	Facilities Management: Definition,		
34	07/05/21	Major Elements, Tips Assessing, Facilities Management Process		
35	11/05/21	Measuring and Streamlining the Facilities Management Process		
36	18/05/21	Tips Assessing, Facilities Management Process		
37	19/05/21	Revision		
38	21/05/21	Unit 6 :Developing Robust Processes		
39	25/05/21	features of a World Class infrastructure		
40	27/05/21	Characteristics of a Robust Process		
41	28/05/21	Characteristics of a Robust Process continue		
42	31/05/21	Characteristics of a Robust Process continue		
43	31/05/21	Integrating Systems Management Processes		
44	01/06/21	The value of distinguishing Strategic from Tactical Processes		
45	01/06/21	Client-Server Environment Issues		
46	02/06/21	Web-enabled Environment Issues		
47	03/06/21	Revision		
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. S. H. Kuche

Subject Code: 6KS04

Subject Name: CA

Semester: VI Year: Third Year

Section: B

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18/1/21	Unit-1: Instruction Sets:Machine Instruction Characteristics		
2	19/2/21	Types of Operands		
3	20/1/21	Intel x86 Data Types		
4	21/1/21	ARM Data Types		
5	25/1/21	Types of Operations		
6	27/1/21	Intel x86 Operation Types		
7	28/1/21	ARM Operation Types		
8	2/2/21	Types of Operands		
9	3/2/21	Unit-2: Instruction set: Addressing		
10	4/2/21	X86 Addressing modes		
11	5/2/21	ARM Addressing modes		
12	8/2/21	Instruction Formats		
13	9/2/21	x86 Instruction Formats		
14	10/2/21	ARM Instruction Formats		
15	11/2/21	Assembly language		
16	15/2/21	Revision		
17	16/2/21	Unit-III: Processor Organization		
18	17/2/21	Register Organization		
19	18/2/21	Instruction Cycle		
20	22/2/21	Instruction Pipelining		
21	23/2/21	Pipeline Hazards		
22	24/2/21	Intel 80486 Pipelining		
23	25/2/21	The x86 Processor Family		
24	26/2/21	The ARM Processor		
25	1/3/21	Unit-IV: Reduced Instruction Set Computers (RISCs)		
26	2/3/21	Instruction Execution Characteristics		
27	3/3/21	The Use of Large Register File		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
28	4/3/21	Compiler-Based Register Optimization		
29	5/3/21	RISC Architecture		
30	8/3/21	RISC Pipelining		
31	9/3/21	Optimization of Pipelining		
32	10/3/21	RISC versus CISC		
33	11/3/21	Revision		
34	15/3/21	Unit-V: Micro-operations		
35	16/3/21	Control of the Processor		
36	17/3/21	Hardwired Implementation		
37	18/3/21	Micro programmed control		
38	22/3/21	Basic Concepts of Microinstruction		
39	23/3/21	Wilkes Control		
40	24/3/21	Microinstruction Sequencing		
41	25/3/21	Microinstruction Execution.		
42	30/3/21	Revision		
43	15/4/21	Unit-VI: The Use of Multiple Processors		
44	29/4/21	Symmetric Multiprocessors		
45	3/5/21	Multithreading and Chip Multiprocessors		
46	4/5/21	Clusters		
47	10/5/21	Multicore Organization		
48	11/5/21	Implicit and Explicit Multithreading		
49	12/5/21	Approaches to Explicit Multithreading		
50	17/5/21	Intel x 86 Multicore Organization		
51	18/5/21	Revision		
52	19/5/21	Unit-I & Unit-II Revision		
53	24/5/21	Unit-III & Unit-IV Revision		
54	25/5/21	Unit-V & Unit-VI Revision		

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Execution Plan

Name of Faculty: Prof. A. O. Sable

Subject Code: 6KS06

Subject Name: PE

Semester: VI Year: Third Year

Section: B

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	21/1/21	UNIT 1:Introduction to PE		
2	27/1/21	New possibilities & A Vacuum of Policies		
3	28/1/21	Computers Used in Social Context		
4	3/2/21	Moral and Legal Issues Utilitarianism		
5	4/2/21	DEONTOLOGICAL THEORIES Need of professional ethics		
6	10/2/21	UNIT 2: Ethics Online		
7	11/2/21	New species of old crime, Netiquette,		
8	24/2/21	Privacy, Computer Ethics		
9	25/2/21	Property rights in computer software		
10	3/3/21	UNIT 3: Accountability,		
11	4/3/21	Buying and Selling Software		
12	10/3/21	Different senses of Responsibility		
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Prof. Ram Meghe Institute of Technology & Research Badnera
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FE Execution Plan

Name of Faculty: Prof. P. P. Kadu

Subject Code: 6FEKS05

Subject Name: DBMS FE

Semester: VI Year: Third Year

Section:

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	22-01-21	Introduction: Database System Applications,		
2	23-01-21	Purpose of Database Systems, and View of Data,		
3	23-01-21	Database Languages, Database Architecture,		
4	29-01-21	Database Users and Administrators.		
5	30-01-21	Relational Model: Structure of Relational Databases,		
6	30-01-21	Fundamentals of Relational-Algebra.		
7	05-02-21	SQL: Background, Data Definition		
8	06-02-21	Basic Structure of SQL queries, Set Operations,		
9	06-02-21	Aggregate Functions, Null Values, Nested Sub queries,		
10	20-02-21	Complex Queries, Views		
11	20-02-21	Modification of Database, Joined relations.		
12	26-02-21	SQL Data Types and Schemas, Integrity Constraints, Authorization.		
13	27-02-21	Transaction Management: Transaction Concept,		
14	27-02-21	Transaction State, Implementation of Atomicity and Durability		
15	05-03-21	Concurrent Execution,		
16	06-03-21	Serializability,		
17	06-03-21	Recoverability,		
18	12-03-21	Testing for Serializability.		
19	13-03-21	Concurrency Control: Lock-Based Protocols		
20	13-03-21	Timestamp-Based Protocols,		
21	30-04-21	Validation-Based Protocols, Multiple Granularity		
22	07-05-21	Weak Levels of Consistency		
23	08-05-21	Recovery System: Failure Classification,		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	08-05-21	Recovery and Atomicity, Log-Based Recovery.		
25	15-05-21	Database Design: Overview of the Design Process,		
26	15-05-21	Entity-Relationship Model, Constraints,		
27	22-05-21	Entity-Relationship Diagrams,		
28	22-05-21	Reduction to Relational Schemas.		
29	28-05-21	Relational Database Design: Atomic Domains,		
30	29-05-21	Normalization and Normal Forms,		
31	29-05-21	Functional Dependencies,		
32	05-06-21	Decomposition using Functional Dependencies.		
33	05-06-21	Query Processing: Overview, Measures of Query Cost,		
34	11-06-21	Selection Operation, Sorting		
35	12-06-21	Join Operation, Other Operations,		
36	12-06-21	Evaluation of Expressions.		
37	18-06-21	Query Optimization: Overview,		
38	19-06-21	Transformation of Relational Expressions,		
39	19-06-21	Materialized Views.		
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Prof. Ram Meghe Institute of Technology & Research Badnera
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OS Execution Plan

Name of Faculty: Prof. Ms. S. G. Pundkar

Subject Code: 6KS01

Subject Name: OS

Semester: VI Year: Third Year

Section: C

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	19/1/21	Unit 1 : Introduction to OS, Its component and services		
2	20/1/21	Process Concept and Scheduling		
3	21/1/21	Operation on processes		
4	22/1/21	Cooperating process		
5	25/1/21	Inter process communication		
6	27/1/21	Threads		
7	28/1/21	Unit 2 : Introduction to CPU Scheduling		
8	29/1/21	Problems on FCFS Scheduling algo		
9	1/2/21	Problems on Non-Preemptive SJF Scheduling algo		
10	3/2/21	Problems on Preemptive SJF Scheduling algo		
11	4/2/21	Problems on Priority Based Scheduling algo		
12	5/2/21	Problems on Round Robin Based Scheduling algo		
13	8/2/21	Problems on Round Robin Based Scheduling algo		
14	9/2/21	Problems on Round Robin Based Scheduling algo		
15	10/2/21	Deadlock Concept		
16	8/3/21	Bankers Algo		
17	9/3/21	Problems on Bankers Algo		
18	10/3/21	Problems on Bankers Algo		
19	12/3/21	Unit 3 : Introduction to Memory Mgt		
20	16/4/21	Paging and Segmentation		
21	29/4/21	Virtual Memory		
22	30/4/21	Demand Paging		
23	3/5/21	Page Replacement Algo :- FIFO		
24	4/5/21	Page Replacement Algo :- LRU		
25	5/5/21	Page Replacement Algo :- Optimal Policy		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
26	6/5/21	Unit no 4: File System Interface , its Basic, File attributes, its operation, file types, Access Method, Basic of Directory and its operation, Access Control		
27	07/5/21	File System Implementation: File Structure, File Control Block, VFS,Directory Implementation, Allocation Method, Free Space Mgt,		
28	10/5/21	Efficiency and Performance , Recovery, Revision		
29	11/5/21	Unit No: 5 : I/O System Interface , PC Bus Structure, Interrupts		
30	12/5/21	DMA, Application of I/O Interface and basics of I/O interface		
31	13/5/21	Disk Structure, Disk Scheduling Algo : FCFS		
32	17/5/21	Disk Scheduling Algo:SSTF, SCAN and C-SCAN		
33	18/5/21	Disk Scheduling Algo: LOOK and C-LOOK		
34	19/5/21	Assignment		
35	20/5/21	Problems on Disk Scheduling Algo		
36	21/5/21	Revision on Disk Scheduling Algo		
37	24/5/21	UNIT 6 :Introduction to Linux System , Features, Benefits, History of Linux		
38	25/5/21	Comparison Between Linux vs. Different OS, Installation and Design		
39	27/5/21	Process Mgt, Process Context, Threads ,Scheduling and Memory Mgt.		
40	28/5/21	Device Driver, Interprocess Communication, Network Structure, Security.		
41	31/5/21	conducted quiz on Linux System		
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Execution Plan

Name of Faculty: Dr.Ms. R. R. Tuteja

Subject Code: 6KS02

Subject Name: DBS

Semester: VI Year: Third Year

Section: C

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	19.01.21	DBS applications , DBS VS file systems		
2	20.01.21	view of data .database models ,levels of abstraction		
3	21.01.21	database languages ,instances and schemas, data independence		
4	23.01.21	database users and administrator , transaction management		
5	25.01.21	introduction to relational model , the relational model ,		
6	27.01.21	basic structure of relational model , instances and schemas		
7	29.01.21	Relational algebra , select , project , union , set difference , Cartesian product		
8		Relational algebra : rename , banking system examples		
9		examples on relational algebra ,queries		
10		modification of databases , insert ,delete, update , examples		
11		SQL , data definition ,		
12		Basic query structure , set operations ,		
13		Aggregate functions , null values , integrity constraints		
14		Nested Subqueries , examples		
15		Views , modification of the database ,		
16		Joined relations		
17		Domain constraints , referential integrity		
18		Keys , authorizations		
19		ER model , basic concepts ,		
20		Design constraints , keys ,		
21		Design issues ,ER diagram ,		
22		Weak entity sets ,extended ER features ,		
23		Design of ER schema		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
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Prof. Ram Meghe Institute of Technology & Research Badnera
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CRM Execution Plan

Name of Faculty: Prof. Ms. R. S. Badre

Subject Code: 6KS03

Subject Name: CRM

Semester: VI Year: Third Year

Section: C

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18-01-21	Unit 1 : Systems Management: Definition, Examples		
2	19-01-21	Building a Business Case for Systems Management		
3	20-01-21	Organizing for Systems Management		
4	21-01-21	Factors to Consider in Designing IT Organizations and		
5	25-01-21	Staffing for Systems Management		
6	27-01-21	IT as Service		
7	28-01-21	IT Service Management		
8	01-02-21	Discussion about the current Business Case Systems		
9	02-02-21	Unit 2 : Availability, Methods for Measuring Availability		
10	03-02-21	Seven 'Rs' of High Availability		
11	04-02-21	Performance and Tuning, Definition and characteristics.		
12	08-02-21	Performance and Tuning Applied to the Five Major Resource Environments		
13	15-02-21	Unit 3 : Storage Management: Definition, Desired Traits		
14	16-02-21	Storage Management Capacity, Storage Management Performance		
15	17-02-21	Storage Management Reliability		
16	22-02-21	Storage Management Recoverability		
17	23-02-21	Network Management : Definition, Key Decisions about Network Management		
18	24-02-21	Measuring and Streamlining an Infrastructure's Network Management Process.		
19	25-02-21	Unit 4 : Capacity Planning: Definition		
20	01-03-21	Reasons for poor Capacity Planning		
21	02-03-21	How to Develop an Effective Capacity Planning Process		
22	03-03-21	Additional Benefits of Capacity Planning, Hints for effective Capacity Planning		
23	04-03-21	Configuration Management, Definition, Examples and benefits		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	08-03-21	Practical Tips for Improving Configuration Management		
25	09-03-21	Unit 5 : Strategic Security: Definition		
26	10-03-21	Developing a Strategic Security Process		
27	15-04-21	Steps for Developing a Strategic Security Process		
28	29-04-21	Facilities Management: Definition		
29	03-05-21	Major Elements for Facilities Management		
30	04-05-21	Major Elements Tips, Assessing, Measuring and Streamlining the Facilities Management Process		
31	05-05-21	Group Discussion and Question Answer Session.		
32	06-05-21	Revised topic and Question Answer Session.		
33	10-05-21	Unit 6 :Developing Robust Processes		
34	11-05-21	Features of World-Class Infrastructure.		
35	12-05-21	Common Criteria of World-Class Infrastructure.		
36	17-05-21	Characteristics of a Robust Process.		
37	18-05-21	Characteristics of a Robust Process.		
38	19-05-21	Difference between Service and Process metrics		
39	20-05-21	Difference between formal and Informal Process.		
40	24-05-21	Helpful Ground Rules for Brainstorming		
41	25-05-21	Integrating Systems Management Processes		
42	27-05-21	The value of distinguishing Strategic from Tactical Processes		
43	31-05-21	Client-Server Environment Issues, Web-Enabled Environment Issues.		
44	01-06-21	Revised topic and Question Answer Session.		
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(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. N. S. Khachane

Subject Code: 6KS04

Subject Name: CA

Semester: VI Year: Third Year

Section: C

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	19/01/2021	Elements of machine Instruction, Instruction representation		
2	20/01/2021	Instruction Types, Number of addresses		
3	21/01/2021	Instruction set design, Types of Operands		
4	22/01/2021	Intel x86 and ARM data Type		
5	27/01/2021	Types of Operation		
6	28/01/2021	Transfer of Control Instruction		
7	2/2/2021	Intel x86 and ARM operation Type		
8	3/2/2021	Addressing		
9	4/2/2021	X86 Addressing Mode		
10	5/2/2021	ARM Addressing: Load/Store Addressing		
11	9/2/2021	ARM Addressing Modes, Instruction Format: IL, Allocation of Bits		
12	17/2/2021	Instruction Format: PDP8, PDP 10, Variable Length Instruction, PDP11		
13	18/2/2021	ARM Instruction format, Assembly Language, Processor Organization		
14	22/02/2021	Register Organization: User visible, Control and status registers		
15	23/02/2021	Example microprocessor register organization, Instruction cycle		
16	24/02/2021	Pipeline performance, pipeline Hazards		
17	25/02/2021	Dealing with Branch : Loop buffer, Branch prediction, Delayed branch		
18	26/02/2021	Intel 80486 pipelining, Register organization, EFLAG registers		
19	2/3/2021	Control Register, MMX register, Interrupt processing, IVT, Interrupt Handling		
20	3/3/2021	ARM processor		
21	4/3/2021	Discussion on previous unit points		
22	5/3/2021	Instruction Execution Characteristics		
23	12/3/2021	The use of Large register file, compiler based register optimization		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	15/04/2021	Reduced instruction set architecture		
25	29/04/2021	Optimization of pipelining, RICS vs. CISC controversy		
26	30/04/2021	Micro operation: fetch, Indirect, Interrupt, execute and Instruction cycle		
27	4/5/2021	Control of the processor: functional requirement, control signal, Internal processor organization,		
28	5/5/2021	Intel 8085, Hardwired Implementation		
29	6/5/2021	Basic Concept, micro programmed control unit, Wilkes control		
30	7/5/2021	Microinstruction Sequencing, Microinstruction Execution		
31	11/5/2021	Microinstruction Execution, Microinstruction Encoding		
32	12/5/2021	Discussion on previous unit points		
33	13/5/2021	Types of parallel processor system, parallel organization		
34	14/5/2021	Symmetric multiprocessor, organization		
35	19/5/2021	multiprocessor operating system design consideration, Implicit and Explicit multithreading		
36	20/5/2021	Approaches to Explicit multithreading, Cluster, Cluster configuration		
37	21/5/2021	Operating system design issues, Cluster computer architecture		
38	25/5/2021	Multicore Organization, Intel x 86 Multi-Core Organization		
39	27/5/2021	Discussion on Unit -1 topics		
40	28/5/2021	Discussion on Unit -2 topics		
41	1/6/2021	Discussion on Unit -3 topics		
42	2/6/2021	Discussion on Unit 4 topics		
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PE Execution Plan

Name of Faculty: Prof. P. P. Kadu

Subject Code: 6KS06

Subject Name: PE

Semester: VI Year: Third Year

Section: C

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18-01-21	Introduction: Computers in a Social Context, Moral and Legal Issues. Computer Ethical Issues.		
2	21-01-21	Philosophical Ethics: Descriptive and Normative Claims, Ethical Relativism, Utilitarianism,		
3	25-01-21	Deontological Theories, Rights, Virtue Ethics, Individual and Social Policy Ethics. Professional Ethics		
4	28-01-21	Characteristics and system of Professions, Computing as Profession,		
5	01-02-21	Professional Relationships, Conflicting Responsibilities,		
6	02-02-21	Code of Ethics and Professional Conduct, Collective responsibility.		
7	04-02-21	Ethics and The Internet: Three Morally Significant Characteristics		
8	08-02-21	Hacking and Hacker Ethics,		
9	15-02-21	New Species of Old Crime, Netiquette, And Policy Approaches		
10	16-02-21	Computers and Privacy issues, Legislative Background,		
11	18-02-21	Global Perspective, Proposals for Better Privacy Protection.		
12	25-02-21	Property Rights in Computer Software: Definitions, Current Legal Protection,		
13	01-03-21	Philosophical basis and analysis of Property, Proprietary Software, and Software Copying.		
14	04-03-21	Accountability, Computer and Information Technology: Different Senses of Responsibility,		
15	24-05-21	Buying and Selling Software, Y2K Problem, Diffusion of Accountability,		
16	27-05-21	Internet Issues, ISP Liability, and Virtual Action.		
17	31-05-21	Technology and Social change, Embedded Values		
18	03-06-21	Enhanced and Impeded Values, Democratic Values in the Internet,		
19	07-06-21	Internet as Democratic, Technology, Access and the Digital Divide,		
20	10-06-21	Free Expression, Overarching and Future Issues.		
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Execution Plan

Name of Faculty: Prof. Ms. S. V. Kalbande

Subject Code: 8KS01

Subject Name: AI

Semester: VIII

Year: Final Year

Section: A

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18-Jan-2021	Unit 1 -Introduction: Definition of AI, AI Techniques,		
2	19-Jan-2021	Tic-Tac-Toe, Pattern Recognition		
3	20-Jan-2021	Level of the model, Criteria for Success,		
4	21-Jan-2021	Problems and Problem Spaces, Defining the Problems		
5	25-Jan-2021	Production Systems, Control Strategies,		
6	27-Jan-2021	Heuristic Search, Problem Characteristics,		
7	28-Jan-2021	Decomposition of Problems, Solution steps		
8	01-Feb-2021	Predictability, Absolute & Relative Solutions		
9	02-Feb-2021	Unit II: Basic Problem Solving methods: Reasoning,		
10	03-Feb-2021	Problem trees and graphs		
11	04-Feb-2021	Knowledge Representation		
12	08-Feb-2021	Matching indexing with variables		
13	09-Feb-2021	Heuristic Functions, Weak Methods		
14	15-Feb-2021	Problem reduction		
15	16-Feb-2021	Constraints Satisfaction, Means-ends analysis		
16	17-Feb-2021	Analysis of Search Algorithms.		
17	18-Feb-2021	Unit III: Games Playing, Minimax Search Procedure		
18	22-Feb-2021	Adding alpha beta cutoffs		
19	23-Feb-2021	Additional refinements, waiting for quiescence		
20	24-Feb-2021	Secondary Search, Using Book moves limitation.		
21	25-Feb-2021	Problems on Minimax Algorithm		
22	01-Mar-2021	Problems on Alpha beta pruning		
23	02-Mar-2021	Revision on Algorithms and Problems		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	03-Mar-2021	Unit IV : Knowledge Representation using Predicate Logic		
25	04-Mar-2021	Representing simple facts in logic		
26	08-Mar-2021	Augmenting the representation		
27	09-Mar-2021	Resolution,conversion to clause form		
28	10-Mar-2021	Resolution in Propositional Logic		
29	15-Apr-2021	Question Answering and Natural Deduction		
30	19-Apr-2021	Unification Algorithms		
31	20-Apr-2021	Unit V:Structural representation of knowledge: Some common known structures		
32	21-Apr-2021	choosing the level of representation		
33	22-Apr-2021	finding the right structure as needed		
34	28-Apr-2021	declarative representation		
35	29-Apr-2021	semantic nets		
36	03-May-2021	Conceptual Dependency		
37	04-May-2021	Frames, Scripts,		
38	05-May-2021	Semantic- Semantic, Spectrum and procedural representation.		
39	06-May-2021	Unit VI: Natural Language Understanding		
40	10-May-2021	Concepts of Understanding, Keyword matching		
41	11-May-2021	Syntactic and Semantic analysis		
42	12-May-2021	Understanding single and multiple sentences		
43	17-May-2021	Using Focus, Goal Structures		
44	18-May-2021	Schemes and Scripts in Understanding		
45	19-May-2021	Dialogue Understanding		
46	20-May-2021	Resolution in Propositional Logic and Predicate Logic examples		
47	24-May-2021	alpha beta cutoffs examples		
48	25-May-2021	Minimax examples		
49	27-May-2021	Water jug problems		

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Execution Plan

Name of Faculty: Dr. S. R. Gupta

Subject Code: 8KS02

Subject Name: Embedded Systems

Semester: VIII

Year: Final Year

Section: A

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18-Jan-2021	Unit I: Introduction to Embedded System.		
2	20-Jan-2021	Embedded Systems Vs General Computing Systems.		
3	21-Jan-2021	Embedded System: History, major application areas of ES.		
4	25-Jan-2021	Classification of Embedded Systems.		
5	27-Jan-2021	Purpose of Embedded Systems.		
6	28-Jan-2021	Components of Embedded systems.		
7	01-Feb-2021	General Purpose and Domain Specific Processors.		
8	02-Feb-2021	Memories for Embedded Systems.		
9	03-Feb-2021	Unit-II: Components of ES: Sensors & Actuators.		
10	04-Feb-2021	Components of ES: Other supporting I/O Subsystems		
11	08-Feb-2021	Communication Interface: Onboard		
12	09-Feb-2021	Communication Interface: External / Product Level		
13	15-Feb-2021	Embedded Firmware		
14	16-Feb-2021	Characteristics of Embedded System		
15	17-Feb-2021	Quality Attributes of Embedded System		
16	18-Feb-2021	Embedded Systems Examples: Washing machine.		
17	22-Feb-2021	Embedded Systems Examples: Automotive application		
18	23-Feb-2021	Unit-III: Introduction to 8051 Microcontroller: Overview		
19	24-Feb-2021	8051 Architecture and Pin Diagram		
20	25-Feb-2021	8051 Memory Organization		
21	01-Mar-2021	Registers, Oscillator Unit		
22	02-Mar-2021	8051 Ports		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
23	03-Mar-2021	8051 Interrupt System		
24	04-Mar-2021	8051 Timer units		
25	08-Mar-2021	The Serial Port, 8051 Power Saving Modes		
26	09-Mar-2021	UNIT-IV: Programming the 8051 Microcontroller: 8051 Instruction Set: Data transfer, Arithmetic instructions		
27	10-Mar-2021	8051 Instruction Set: Data transfer instructions, Arithmetic instructions.		
28	15-Apr-2021	8051 Instruction Set: Logical instructions, Boolean instructions.		
29	19-Apr-2021	8051 Instruction Set: Boolean instructions, and Program Control Transfer instructions.		
30	20-Apr-2021	Assembly Language based Embedded Firmware development.		
31	21-Apr-2021	Assembly Language based Embedded Firmware development: 8051based Examples.		
32	22-Apr-2021	UNIT-V: Programming in Embedded C: Review of various constructs in C.		
33	28-Apr-2021	Programming in Embedded C: Constant declarations		
34	29-Apr-2021	Programming in Embedded C: Structure and Union definition and difference.		
35	03-May-2021	Programming in Embedded C: 'volatile' type qualifier		
36	04-May-2021	Programming in Embedded C: Delay generation and Infinite loops in Embedded C. Coding Interrupt Service Routines.		
37	05-May-2021	Programming in Embedded C: Recursive and Reentrant Functions, Dynamic memory allocation.		
38	06-May-2021	UNIT-VI: VxWorks Real Time Operating System (RTOS): Characteristics, Real Time Kernel		
39	10-May-2021	Hard/Soft Real time Systems and RTOS.		
40	11-May-2021	VxWorks Task Creation, Management.		
41	12-May-2021	VxWorks Scheduling and VxWorks Kernel Services.		
42	17-May-2021	VxWorks Inter Task Communication.		
43	18-May-2021	VxWorks Task Synchronization and Mutual Exclusion.		
44	19-May-2021	Interrupt Handling, Watchdog for task Execution monitoring, Timing and Reference in VxWorks.		
45	20-May-2021	Review on VxWorks RTOS and its characteristics.		
46	24-May-2021	Revision on Embedded System		
47	25-May-2021	Revision on Embedded System		
48	27-May-2021	Revision on Embedded System		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. T. P. Adhau

Subject Code: 8KS03

Subject Name: SE

Semester: VIII

Year: Final Year

Section: A

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18/01/21	Unit 1: Introduction, Evolving role of Software.		
2	19/01/21	Software Crisis, Software myths.		
3	20/01/21	Software engineering.		
4	21/01/21	Software process and Process model: Linear sequential, Prototyping.		
5	25/01/21	RAD, Evolutionary Product & process.		
6	27/01/21	Project Management concept: People, Product		
7	28/01/21	Process, Project and W5HH Principle		
8	01/02/21	Unit 2: Measures, Metrics & Indicators.		
9	02/02/21	Metrics in process & project domains		
10	03/02/21	Software Measurement, Metrics for software quality		
11	04/02/21	small organization, Software projects Planning: Scope, resources,		
12	08/02/21	Estimation, decomposition technique, Tools.		
13	09/02/21	Software risks : identification, risk projection		
14	10/02/21	Risk refinement & RMMM plan.		
15	11/02/21	Unit 3: Project Scheduling: Concepts. People's Efforts.		
16	15/02/21	Task set, Task network.		
17	16/02/21	Scheduling: Timeline chart, tracking of project		
18	22/02/21	EV analysis, Projecta Plan		
19	23/02/21	Software quality concepts, Software Review		
20	01/03/21	Formal Technical Review, Guidelines for FTR		
21	02/03/21	SQA, Elements of SQA,SQA plan, SQA Task		
22	03/03/21	SQA Goal, Attribute and metrics,		
23	04/03/21	Statistical SQA, Six Sigma, S/W Reliability		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	08/03/21	Availability and Safety, ISO Standards, SQA Plan		
25	09/03/21	Unit 4: System Engineering, System Engineering Process,		
26	10/03/21	System Engineering Hierarchy, System modeling		
27	15-Apr-2021	Business Process & Product engineering: Overviews		
28	19-Apr-2021	Requirement engineering		
29	20-Apr-2021	System modeling. Requirement analysis		
30	21-Apr-2021	Analysis principles. Software prototyping.		
31	28-Apr-2021	Specification. Design Process		
32	29-Apr-2021	Design Principles & Concepts.		
33	03-May-2021	Effective modular design		
34	04-May-2021	Unit 5: Software architecture, Data Design		
35	05-May-2021	Architectural styles, Requirement mapping.		
36	06-May-2021	Transform & Transaction mappings. User Interface		
37	07-May-2021	Design : Golden Rule. UTD,		
38	10-May-2021	Task analysis & modeling, ID activities		
39	11-May-2021	Tools, design evaluation		
40	12-May-2021	Component level design : Structure programming, Comparison of design notation.		
41	13-May-2021	Unit 6: Software testing fundamentals; test case design		
42	14-May-2021	Whitebox testing. Basis path, control structure		
43	17-May-2021	Blackbox-Testing, & for specialized environments		
44	18-May-2021	Strategic approach to S/W testing		
45	19-May-2021	Unit testing, integration testing		
46	20-May-2021	validation testing, system testing		
47	21-May-2021	Debugging		
48	22-May-2021	Technical metrics for software		

Prof. Ram Meghe Institute of Technology & Research Badnera
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(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. S. V. Deshmukh

Subject Code: 8KS04

Subject Name: NS

Semester: VIII

Year: Final Year

Section: A

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18-Jan-2021	Introduction of network security : Unit VI: Introduction of Malicious Software: Viruses and Related Threats, Virus Countermeasures.		
2	19-Jan-2021	Types of Viruses, Distributed Denial of Service Attacks.		
3	20-Jan-2021	Firewalls: Introduction of Firewall, Firewall Design Principles,		
4	21-Jan-2021	Types of Firewall		
5	25-Jan-2021	Trusted Systems, Common Criteria for Information Technology Security Evaluation		
6	27-Jan-2021	Unit V: Introduction of Intruders		
7	28-Jan-2021	Intrusion Detection, Password Management.		
8	01-Feb-2021	Unit I: Introduction: Security Trends.		
9	02-Feb-2021	The OSI Security Architecture, Security Attacks.		
10	03-Feb-2021	Security Services, Security Mechanisms.		
11	04-Feb-2021	A Model for Internetwork Security, Internet Standards and the Internet Society.		
12	08-Feb-2021	Symmetric Encryption and Message Confidentiality: Symmetric Encryption Principles,		
13	09-Feb-2021	Symmetric Block Encryption Algorithms,		
14	15-Feb-2021	DES Algorithm		
15	16-Feb-2021	AES Algorithm		
16	17-Feb-2021	Stream Ciphers and RC4.		
17	18-Feb-2021	Cipher Block Modes of Operation.		
18	22-Feb-2021	Location of Encryption Devices.		
19	23-Feb-2021	Introduction Key Distribution. Diffie-Hellman Algorithm		
20	24-Feb-2021	RSA Algorithm ,Euclidean Algorithm		
21	25-Feb-2021	Examples of RSA Algorithm ,Euclidean Algorithm		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
22	1-Mar-2021	Unit II: Public-Key Cryptography and Message Authentication: Approaches to Message Authentication		
23	2-Mar-2021	Secure Hash Functions and HMAC		
24	3-Mar-2021	Secure Hash Algorithms, Working of SHA 512		
25	4-Mar-2021	Hash-based Message Authentication Code (HMAC)		
26	8-Mar-2021	Public Key Cryptography Algorithms		
27	9-Mar-2021	Digital Signatures		
28	10-Mar-2021	Key Management		
29	15-Apr-2021	Unit III: Authentication Applications: Kerberos		
30	19-Apr-2021	X.509 Authentication Service, X.509 Certificate		
31	20-Apr-2021	Electronic Mail Security: Pretty Good Privacy (PGP)		
32	22-Apr-2021	Secure/Multipurpose Internet Mail Extensions		
33	28-Apr-2021	Unit IV:IP Security: IP Security Overview, IP Security Architecture		
34	29-Apr-2021	Authentication Header, Encapsulating Security Payload		
35	3-May-2021	Combining Security Associations		
36	4-May-2021	Web Security: Web Security Considerations		
37	5-May-2021	Secure Socket Layer(SSL)		
38	6-May-2021	Secure Electronic Transaction (SET).		
39	12-May-2021	Secure Electronic Transaction, Dual Signature		
40	17-May-2021	Unit V : Network Management Security: Basic Concepts of SNMP		
41	18-May-2021	SNMPv1 Community Facility		
42	19-May-2021	SNMPv3		
43	20-May-2021	Revision of Feistel cipher and DES Algorithm		
44	24-May-2021	Revision of Secure Hash Algorithms, Working of SHA 512 and solve MCQs on Unit 4		
45	25-May-2021	Solve MCQs on Unit 5		

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(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. V. S. Sakharkar

Subject Code: 8KS01

Subject Name: AI

Semester: VIII

Year: Final Year

Section: B

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18/01/2021	Unit I: Introduction: Definition of AI, AI Techniques		
2	19/01/2021	Tic-Tac-Toe, Pattern Recognition		
3	20/01/2021	Pattern Recognition, Level of the model,		
4	21/01/2021	Criteria for Success, Problems and Problem Specifications		
5	25/01/2021	Defining the Problems, Production Systems, Control Strategies		
6	27/01/2021	Futuristic Search, Problem Characteristics		
7	28/01/2021	Decomposition of Problems, Solution steps		
8	01/02/2021	Predictability, Absolute & Relative Solutions		
9	02/02/2021	Unit 2 :Basic Problem Solving methods: Reasoning, Problem trees and graphs		
10	03/02/2021	Knowledge Representation		
11	04/02/2021	Matching indexing with variables, Heuristic Functions		
12	08/02/2021	Weak Methods, Problem reduction, Constraints Satisfaction		
13	09/02/2021	Means-ends analysis, Analysis of Search Algorithms.		
14	15/02/2021	Games Playing		
15	16/02/2021	Unit 3 :Minimax Search Procedure		
16	17/02/2021	Adding alpha beta cutoffs,		
17	18/02/2021	Additional refinements, waiting for quiescence		
18	22/02/2021	Secondary Search, Using Book moves limitations.		
19	24/02/2021	Revision of all basic Algorithms like Tic Tac toe,8 puzzle problem etc.		
20	25/02/2021	Unit 4 : Knowledge Representation using Predicate Logic		
21	01/03/2021	Representing simple facts in logic		
22	02/03/2021	Aaugmenting the representation, resolution, conversion to clause form		
23	03/03/2021	Resolution in Propositional Logic and Predicate Logic		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	04/03/2021	Unification Algorithms		
25	08/03/2021	alpha-beta pruning algorithm		
26	09/03/2021	Question Answering and Natural Deduction		
27	10/03/2021	Unit 5 : Structural representation of knowledge: Some common known structures		
28	15/04/2021	Structural representation of knowledge: Some common known structures: Revision		
29	19/04/2021	choosing the level of representation		
30	20/04/2021	finding the right structure as needed		
31	21/04/2021	declarative representation, semantic nets,		
32	22/04/2021	Conceptual Dependency		
33	28/04/2021	Frames, Scripts		
34	29/04/2021	Semantic- Semantic, Spectrum and procedural representation		
35	03/05/2021	Unit 6 :Natural Language Understanding: Concepts of Understanding		
36	05/05/2021	Keyword matching		
37	10/05/2021	Syntactic and Semantic analysis		
38	11/05/2021	Understanding single and multiple sentences		
39	12/05/2021	Using Four, Cover structures		
40	13/05/2021	Schemes and Scripts in Understanding		
41	17/05/2021	Dialogue Understanding		
42	18/05/2021	Revision		
43	19/05/2021	Revision		
44	20/05/2021	Revision		

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Execution Plan

Name of Faculty: Prof. A. U. Chaudhari

Subject Code: 8KS02

Subject Name: ES

Semester: VIII

Year: Final Year

Section: B

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18/01/2021	Unit-1 Learning Objective of Embedded System, Introduction to		
2	19/01/2021	History of Embedded System		
3	20/01/2021	Comparison between General purpose and embedded system, Classification of Embedded System		
4	21/01/2021	Purpose of Embedded System		
5	25/01/2021	Major Application area of Embedded System		
6	26/01/2021	Programmable Logical Devices with its advantages		
7	27/01/2021	Memory- ROM, MROM, EPROM, EEPROM, RAM		
8	28/01/2021	Unit-2 Learning Objectives of Components of Embedded system,		
9	01/02/2021	Communication Interface- Onboard Communication, I2C		
10	02/02/2021	Communication Interface -Onboard Communication-SPI,		
11	03/02/2021	UART, 1-wire Interface, Parallel Interface		
12	04/02/2021	External Communication RS-232C, USB, Infrared, Bluetooth, Wi-Fi		
13	08/02/2021	Embedded Firmware, Other components-Reset Circuit, Brown out Protection circuit, Oscillator Unit		
14	09/02/2021	Characteristic of ES		
15	10/02/2021	Operational and Non operational Quality attribute of ES		
16	11/02/2021	Application of ES-Washing Machine, Automotive Domain		
17	15/02/2021	Review of the all focused topic of unit no 2, understand Learning Outcome of the topics		
18	16/02/2021	Unit-III Understand the learning objectives, Introduction to 8051Microcontroller		
19	17/02/2021	Factors for selecting Microcontroller, Why 8051 microcontroller		
20	18/02/2021	Designing with 8051- 8051Architecture, 8051 Memory Organization-Code and Data Memory		
21	22/02/2021	Registers, Oscillator Unit, Port 0, Port 1		
22	23/02/2021	Port 2,3		
23	24/02/2021	8051 Interrupt System,		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	25/02/2021	Timer units		
25	01/03/2021	Serial Port, 8051 Power Saving Modes		
26	02/03/2021	Unit-5 Understand the learning objectives of Programming in Embedded C,		
27	03/03/2021	Compilers , Cross compiler, keywords, Data types		
28	04/03/2021	Storage Class, Operations, Branching Instruction-If , if-else looping Instructions, Array and Pointer		
29	08/03/2021	Constant declarations, Characters and String, Operations		
30	09/03/2021	Delay generation and Infinite loops in Embedded C, Structure,		
31	10/03/2021	Recursive and Re-entrant Functions		
32	15/04/2021	Dynamic memory allocation		
33	19/04/2021	Unit-6 VxWorks Real Time Operating System (RTOS), Understand the learning objectives of Real Time Operating		
34	20/04/2021	Different services of Kernel		
35	21/04/2021	Types of Operating System, Real time Kernel, General Kernel, Services of Real time Kernel		
36	22/04/2021	Task, Process and Thread, State Transition		
37	26/04/2021	Programing with task , Process		
38	28/04/2021	Introduction to Vx Operating System, Task Creation and Management		
39	29/04/2021	Task Scheduling, Inter Task Communication		
40	03/05/2021	Task Synchronization and Mutual Exclusion		
41	04/05/2021	Wind Specific semaphore, System calls for Semaphore,Timeout mechanism		
42	05/05/2021	UNIT-4 Identify the learning objectives of programming with 8051, Different Addressing Mode, Instruction Set, Data		
43	06/05/2021	Different Addressing Mode		
44	10/05/2021	Arithmetic instructions, Logical Instructions, Boolean Instructions		
45	11/05/2021	Boolean instructions, and Program Control Transfer instructions, Rapid Question section on Unit 4		
46	12/05/2021	High Level language based Development, Assembly Language based Development		
47	31/05/2021	Introduction to embedded system, Classification of Embedded System		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. N. M. Yawale

Subject Code: 8KS03

Subject Name: SE

Semester: VIII

Year: Final Year

Section: B

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18/01/21	Unit 1: Introduction, Evolving role of Software.		
2	19/01/21	Software Crisis, Software myths.		
3	20/01/21	Software engineering.		
4	21/01/21	Software process and Process model: Linear sequential, Prototyping.		
5	25/01/21	RAD, Evolutionary Product & process.		
6	27/01/21	Project Management concept: People, Product,		
7	28/01/21	Process, Project and W5HH Principle		
8	01/02/21	Unit 2: Measures, Metrics & Indicators.		
9	02/02/21	Metrics in process & project domains		
10	03/02/21	Software Measurement		
11	04/02/21	Metrics for software quality, small organization		
12	08/02/21	Software projects Planning: Scope, resources,		
13	09/02/21	Estimation, decomposition technique, Tools.		
14	10/02/21	Software risks : identification, risk projection		
15	11/02/21	Risk refinement & RMMM plan.		
16	15/02/21	Unit 3: Project Scheduling: Concepts. People's Efforts.		
17	16/02/21	Task set, Task network.		
18	22/02/21	Scheduling: Timeline chart, tracking of project		
19	23/02/21	EV analysis, Project Plan		
20	01/03/21	Software quality concepts.		
21	02/03/21	Software Review, Formal Technical Review, Guidelines for FTR		
22	03/03/21	SQA, Elements of SQA, SQA plan, SQA Task		
23	04/03/21	SQA Goal, Attribute and metrics, Statistical SQA		

Sr .N	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	08/03/21	Six Sigma, S/W Reliability, Availability and Safety,		
25	09/03/21	ISO Standards, SQA Plan		
26	10/03/21	Unit 4: System Engineering, System Engineering Process, System Engineering Hierarchy, System modeling		
27	15/04/21	Business process engineering, product engineering, hierarchy, Factors considered for modeling		
28	19/04/21	Requirement Engineering, Requirement Engineering Task		
29	20/04/21	Requirement Engineering Task, Analysis Model		
30	21/04/21	Software Prototyping, Software Design		
31	22/04/21	Software Design Concepts		
32	28/04/21	Software Design Concepts, design component and principles		
33	29/04/21	Design model and documentation		
34	03/05/21	Unit 5: Architectural Style, Principles of data specification, Data Design		
35	04/05/21	Requirement mapping. Transform & Transaction mappings		
36	05/05/21	User Interface design, Golden rules for User interface design		
37	10/05/21	Design principles, User interface design process		
38	11/05/21	Component level design, Structured Programming		
39	12/05/21	Structured Programming Construct, Comparison of design notation.		
40	17/05/21	Unit 6: Software Testing, Objectives of Software Testing, White Box Testing		
41	18/05/21	Black Box Testing, Software Testing Strategies		
42	19/05/21	Types of Testing, Levels of Testing		
43	27/05/21	Debugging, Bugs, Sources of Bugs		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. P. S. Deshmukh

Subject Code: 8KS04

Subject Name: NS

Semester: VIII

Year: Final Year

Section: B

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	02/02/21	Introduction to network security, Security trends and concepts		
2	03/02/21	OSI model, OSI Security Architecture, types of attacks active and passive attacks		
3	04/02/21	Model for network security, Model for network access security,		
4	08/02/21	Symmetric encryption principles, model of conventional encryption		
5	09/02/21	Cryptography and cryptanalysis, types of cryptanalysis attacks, types of attack on encrypted messages		
6	11/02/21	Feistel cipher structure, working of Feistel cipher with encryption and decryption		
7	16/02/21	symmetric encryption algorithms, block ciphers, Data Encryption Algorithm (DES)		
8	17/02/21	Triple DES algorithm, Advanced encryption standard, operation of AES, AES decryption and analysis		
9	18/02/21	Stream cipher structure, design considerations, The RC4 algorithm, Internet standards and The Internet society		
10	22/02/21	message authentication, approaches for message authentication, Message Authentication Code (MAC)		
11	23/02/21	1 way hash function, using conventional and public key encryption and secret value		
12	24/02/21	Secure Hash Function and HMAC, SHA-1		
13	25/02/21	MD-5, Attacks on Hash Functions, Why HMAC, HMAC algorithm		
14	01/03/21	Public-Key cryptography principles, requirements and ingredients		
15	02/03/21	conventional vs public key encryption, RSA Algorithm		
16	03/03/21	RSA Algorithm and RSA Example - Key Setup		
17	04/03/21	Diffie-Hellman key exchange algorithm and example		
18	08/03/21	Digital Signature Standard (DSS), Key Management and Public-Key Certificate Use		
19	10/03/21	Unit 3: Authentication Applications, Kerberos, requirements, problem that Kerberos address, Multiple Kerberos		
20	15/04/21	Kerberos services and X.509, Ticket granting server, Kerberos version 4 and 5		
21	19/04/21	Certificate authority, Different fields of X.509 certificate,		

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
22	20/04/21	Public-key infrastructure (PKI), Public Key Cryptosystem working, Components of PKI		
23	22/04/21	Electronic mail security, Pretty Good Privacy (PGP), operation and services of PGP		
	26/04/21	MIME, S/MIME, services of SMIME, S/MIME Functions and procedure		
24	27/04/21	Unit 4: IP Security, Applications of IPSec, security architecture, Web security considerations		
25	28/04/21	IP Security Architecture, Security Associations and parameters, Transport and Tunnel Mode,		
26	29/04/21	Tunnel mode in action, Authentication header, Anti-replay Service, header diagrams,		
27	03/05/21	IPsec EPS format, Encryption and Authentication Algorithms, Concept of Padding		
28	04/05/21	Basic combinations of Security Associations. Combining Security Associations		
29	05/05/21	Internet Security Association and Key Management Protocol, ESP Tunnel Mode		
30	06/05/21	Unit 5: Network Management Security: Basic Concepts of SNMP, SNMPv1		
31	10/05/21	SNMPv2, SNMPv3, Intrusion Detection, Password Management		
32	12/05/21	Unit 6: Malicious Software: Viruses and Related Threats, types of attacks, Virus Countermeasures		
33	17/05/21	Firewalls: Types of firewall, Firewall Design Principles, Trusted Systems,		
34	19/05/21	Trusted Systems, Information Technology Security Evaluation		
35	24/05/21	Complete syllabus overview and revision on few important aspects of NS		

Prof. Ram Meghe Institute of Technology & Research Badnera
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(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Dr. M. A. Pund

Subject Code: 8KS01

Subject Name: Artificial Intelligence

Semester: VIII

Year: Final Year

Section: C

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18 /01/ 2021	Unit-1 :Introduction: Definition of AI & AI Techniques		
2	19/01/ 2021	Tic-Tac-Toe Game Playing Strategies ,Approach-1		
3	20 /01/ 2021	Tic-Tac-Toe Game Playing Strategies- Approach-2, Approach-3		
4	21/01/ 2021	Pattern Recognition.		
5	25/01/ 2021	Pattern Recognition.		
6	27/01/ 2021	Level of the model, Critical for Success		
7	28/01/ 2021	Problems and Problem Specifications: Defining the Problems		
8	01/02/2021	Production Systems, Control Strategies, Water Jug Problem		
9	02/02/2021	Heuristic Search		
10	03/02/2021	Problem Characteristics		
11	04/02/2021	Unit-2 : Basic Problem Solving methods: Introduction		
12	08/02/2021	Reasoning, Problem trees and graphs,		
13	09/02/2021	Knowledge Representation,		
14	09/02/2021	Matching indexing with variables.		
15	22/02/2021	Heuristic Functions and Search methods		
16	23/02/2021	Weak Methods Hill Climbing, A* and AO* Algorithms		
17	24/02/2021	Problem Reduction, Constraints Satisfaction, Means-end analysis		
18	25/02/2021	Analysis of Search Algorithms.		

Sr.No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
19	1/03/2021	Unit-3 : Games Playing, Tic-Tac-Toe Game analysis		
20	2/03/2021	Minimax For Search Tree and Graphs		
21	3/03/2021	Minimax Search Procedure		
22	4/03/2021	Adding alpha beta cutoffs in the Search Tree		
23	8/03/2021	Additional refinements Waiting for quiescence,		
24	9/03/2021	Secondary Search, Horizon Effect		
25	10/03/2021	Using Book moves limitations		
26	15/04/2021	Unit-4 : Introduction to Knowledge Representation		
27	19/04/2021	Representing Simple Facts in logic		
28	20/04/2021	Preposition Logical Equivalence		
29	21/04/2021	Inference mechanism in preposition and predicate logic		
30	22/04/2021	Representing English sentence into WFF		
31	26/04/2021	Converting <i>wff expression</i> into CNF		
32	28/04/2021	Resolution in Predicate logic		
33	29/04/2021	Matching Literals by Substitution and Unification Process, Algorithm		
34	3/05/2021	Unit-5 : Structural representation of knowledge: Some common Structures		
35	4/05/2021	choosing the level of representation, finding the right structure as needed		
36	5/05/2021	Declarative representation,		
37	6/05/2021	Semantic nets & representing knowledge		
38	11/05/2021	Conceptual Dependency,		
39	12/05/2021	Frames & Scripts		
40	17/05/2021	Semantic, Spectrum and procedural representation.		
41	18/05/2021	Unit-6 : Natural Language Understanding & Learning		
42	20/05/2021	Concepts of Understanding & Learning Agents		
43	24/05/2021	Bysein Network, Syntactic and Semantic analysis,		
44	25/05/2021	Understanding single and multiple sentences, Using Focus,		
45	27/05/2021	Goal Structures, Schemes and Scripts in Understanding		

Prof. Ram Meghe Institute of Technology & Research Badnera
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Execution Plan

Name of Faculty: Dr. Ms. S. W. Ahmad

Subject Code: 8KS03

Subject Name: SE

Semester: VIII

Year: Final Year

Section: C

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18/1/21	Introduction to software Engineering		
2	19/1/21	Evolving role of Software, Software crises & myths.		
3	20/1/21	Software Characteristic ,Software Engineering as layered Architecture		
4	21/1/21	Software engineering, Software process & process models ,Linear sequential		
5	25/2/21	Prototyping, RAD, Evolutionary Product & Process.		
6	27/2/21	Project management concepts: People, Product, Process, Project		
7	28/2/21	W5HH Principle		
8	01/2/21	critical practice		
9	02/2/21	Measures, Metrics & Indicators. Metrics in process & project domains		
10	3/2/21	software measurement		
11	4/2/21	Metrics for software quality		
12	8/2/21	small organization		
13	09/2/21	Software projects Planning		
14	10/2/21	Scope, resources, estimation, decomposition technique, Tools		
15	11/2/21	Software risks : identification, risk projection		
16	15/2/21	Refinement & RMMM plan.		
17	16/2/21	Project Scheduling: Concepts		
18	17/2/21	People Efforts, Task set,		
19	18/2/21	Task network. Scheduling. EV analysis		
20	22/2/21	Project Plan, Software quality concepts		
21	23/2/21	SQAssurance, Software reviews, technical reviews, s Version control		
22	24/2/21	SCMstandard of Software quality		
23	25/2/21	System engineering : Hierarchy, Business Process & Product engineering		
24	01/3/21	Overviews. Requirement Engineering,		
25	02/3/21	System modeling. Requirement analysis.		
26	03/3/21	Analysis principles. Software prototyping		
27	04/3/21	Specification. Design Process. Design Principles & Concepts.		
28	08/3/21	Effective modular design.Design model & documentation.		
29	09/3/21	Design model & documentation.		
30	10/3/21	Software architecture, Data Design, Architectural styles,		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
31	11/3/21	Requirement mapping, Transform mapping		
32	15/3/21	Transform, Transaction mappings		
33	16/3/21	User-interface design Golden Rule		
34	17/3/21	Task analysis & modeling		
35	18/3/21	ID activities of Task modeling		
36	22/3/21	Tools design		
37	23/3/21	design evaluation		
38	24/3/21	Component level design		
39	25/3/21	Structure programming		
40	29/3/21	Comparison of design notation		
41	05/4/21	Software Testing fundamentals test case design.		
42	8/4/21	White box testing.		
43	12/4/21	Basis path method of Testing		
44	15/4/21	Control structure and its types		
45	19/4/21	Black box Testing		
46	20/4/21	& for specialized environments		
47	21/4/21	Strategic approach to S/W testing. Unit testing		
48	22/4/21	Integration testing and its types		
49	26/4/21	Validation testing and types		
50	27/4/21	System testing's		
51	29/4/21	Debugging and its techniques		
52	03/5/21	Technical Metrics for software		
53	04/5/21	Discussion on Multiple Choice Questions based on all units discussion		
54	05/5/21	Discussion on Multiple Choice Questions based on all units discussion		
55	06/5/21	Revision of Unit 1		
56	10/5/21	Revision of Unit 1		
57	11/5/21	Revision of Unit 2		
58	12/5/21	Revision of Unit 2		
59	13/5/21	Revision of Unit 3		
60	17/5/21	Revision of Unit 3		
61	18/5/21	Revision of Unit 4		
62	19/5/21	Revision of Unit 4		
63	20/5/21	Revision of Unit 5		
64	24/5/21	Revision Unit 5		
65	25/5/21	Revision of Unit 6		
66	26/5/21	Revision of Unit 6		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(EVEN Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. N. A. Deshmukh

Subject Code: 8KS04

Subject Name: NS

Semester: VIII

Year: Final Year

Section: C

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
1	18/01/2021	Introduction about Security Trend:- The OSI Security Architecture.Security Attacks,Security Services, Security Mechanisms.		
2	19/01/2021	A Model for Network Security .		
3	20/01/2021	Symmetric Encryption Principles & Symmetric Block Encryption Algorithms .		
4	21/01/2021	Random and Pseudorandom Numbers & Stream Ciphers and RC4 .		
5	25/01/2021	Cipher Block Modes of Operation.		
6	27/01/2021	Approaches to Message Authentication & Secure Hash Functions and HMAC.		
7	28/01/2021	Public-Key Cryptography Principles & Public-Key Cryptography Algorithms.		
8	01/02/2021	Digital Signatures.		
9	02/02/2021	Key Management.		
10	03/02/2021	Public Key Management.		
11	04/02/2021	Introduction to Authentication Server & Kerberos.		
12	08/02/2021	X.509 Certificate with working.		
13	09/02/2021	Pretty Good Privacy.		
14	15/02/2021	Introduction about SMTP,MIME and S/MIME.		
15	23/02/2021	S/MIME in detail.		
16	24/02/2021	Introduction to an IP Security and its services.		
17	25/02/2021	Implementation of IP security.		
18	8/03/2021	Authentication Header packet format.		
19	9/003/2021	Transport and Tunnel mode with IPV4 AND IPV6.		
20	10/032021	ESP Protocol with Authentication and without Authentication implementation.		
21	15/04/2021	Transport and tunnel mode for ESP protocol.		
22	19/04/2021	Secure Socket Layer & two main concepts of SSL.		
23	20/04/2021	SSL Record Protocol & SSL Record Header Format.		

Sr. No	Date	Topics to be Covered	Sign. of Faculty	Sign. of HOD
24	21/04/2021	SSL Protocol Stack & Introduction of SET.		
25	22/04/2021	SET participants.		
26	28/04/2021	Introduction about SNMP.		
27	29/04/2021	SNMP protocol management		
28	3/05/2021	SNMP versions and Data units.		
29	4/05/2021	Intruder, Intrusion Detection, Intrusion Prevention.		
30	10/05/2021	Password Management.		
31	12/05/2021	Introduction to Malicious software.		
32	17/05/2021	Types of viruses & virus countermeasures.		
33	18/05/2021	Distributed Denial of service attack.		
34	19/05/2021	Firewall introduction.		
35	20/05/2021	Security Evaluation.		
36	24/05/2021	RSA Algorithm with Example.		
37	25/05/2021	DHKE Algorithm with Example.		
38	27/05/2021	LAN,MAN,WAN and Topologies.		
39	31/05/2021	Digital Signature Standard.1st Assignment.		
40	1/06/2021	ESP &MCQs of 1st two units with revision.		
41	2/06/2021	MCQs for 3rd unit and revision.		

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Execution Plan

Name of Faculty: Prof. A.M.Karale 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	17/08/20	9:00 to 10:00	<u>UNIT 1</u> : Introduction and method to find CF		
2	18/08/20	11.30 to 12.30	Method to find PI Case-1		
3	20/08/20	11.30 to 12.30	Method to find PI Case-2		
4	24/08/20	9:00 to 10:00	Method to find PI Case-3		
5	25/08/20	11.30 to 12.30	Method to find PI Case-4		
6	27/08/20	11.30 to 12.30	General method and VOP		
7	31/08/20	9:00 to 10:00	Cauchy's Linear Differential Equation		
8	02/09/20	10:00 to 11:00	Legender's Linear Differential Equation		
9	03/09/20	11.30 to 12.30	UNIT 2: Definition and Properties of Laplace Transform		
10	07/09/20	9:00 to 10:00	Examples on Laplace Transform		
11	08/09/20	11.30 to 12.30	Definition of Inverse Laplace Transform		
12	09/09/20	10:00 to 11:00	Examples on Inverse Laplace Transform		
13	10/09/20	11.30 to 12.30	Examples on Inverse Laplace Transform		
14	14/09/20	9:00 to 10:00	Periodic Function		
15	15/09/20	11.30 to 12.30	UNIT 3 A:-Solution of LDE by Laplace Transform Method		
16	16/09/20	10:00 to 11:00	Simultaneous DE by Laplace Transform		
17	21/09/20	9:00 to 10:00	B:-Examples On Fourier Integral		
18	22/09/20	11.30 to 12.30	Examples on Fourier Sine and Cosine integral		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
19	24/09/20	11.30 to 12.30	Examples on Fourier Sine and Cosine		
20	28/09/20	9:00 to 10:00	UNIT4 PDE: Definition of PDE,Type 1		
21	29/09/20	11.30 to 12.30	$F(p,q,z)=0$		
22	30/09/20	10:00 to 11:00	$f(x,p)=g(y,q)$		
23	01/10/20	11.30 to 12.30	Lagrange's Form		
24	05/10/20	9:00 to 10:00	Lagrange's Form		
25	06/10/20	11.30 to 12.30	Clairaut's Equation		
26	07/10/20	10:00 to 11:00	Reducible to PDE		
27	08/10/20	11.30 to 12.30	Statistics:Curve fitting by Line		
28	13/10/20	11.30 to 12.30	Curve fitting by Parabola		
29	15/10/20	11.30 to 12.30	Coefficients by Correlation		
30	19/10/20	9:00 to 10:00	Line of Regression		
31	20/10/20	11.30 to 12.30	UNIT 6 Vector Gradient of Scalar function		
32	21/10/20	10:00 to 11:00	Directional Derivative		
33	22/10/20	11.30 to 12.30	Directional Derivative		
34	03/11/20	11.30 to 12.30	Divergence and curl		
35	04/11/20	10:00 to 11:00	Line Integral		
36	05/11/20	11.30 to 12.30	Surface and Volume Integral		
37	23/11/20	9:00 to 10:00	Irrotational and Solenoidal Field		
38	24/11/20	11.30 to 12.30	UNIT-5 Definition of Complex Number and Analytic Function		
39	25/11/20	10:00 to 11:00	Polar Form and Harmonic Function		
40	02/12/20	10:00 to 11:00	Examples on real or imaginary part given		
41	03/12/20	11.30 to 12.30	Bilinear Transformation		
42	07/12/20	9:00 to 10:00	Taylor's Series		
43	08/12/20	11.30 to 12.30	Laurent's Series		

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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	17/08/2020	10 to 11	Unit I: Introduction to logic and Proofs, Propositions, Propositional variables, Truth Tables, Compound and Simple Propositions .		
2	20/08/2020	10 to 11	Notations, Logical Operators: Negation , Conjunction , Disjunction ,Conditional , Bi-conditional ,exclusive or, Truth Tables of logical operators.		
3	21/08/2020	9 to 10	Conditional statements, Truth Table of Compound Propositions, Examples, Precedence of Logical operators.		
4	24/08/2020	10 to 11	Logic and Bit operations, Examples, Applications of Propositional logic, translating English Sentences.		
5	27/08/2020	10 to 11	Logical Equivalences, De Morgan's Laws		
6	28/08/2020	9 to 10	Problems based on Logical Equivalences, Introduction to Predicates and examples.		
7	31/08/2020	10 to 11	Precondition and Post condition Predicates and example, Quantifiers ,Introduction to Universal Quantifiers and Problems based on Universal Quantifiers		
8	2/09/2020	12.30 to 1.30	Quantifiers: Restricted Domains, Precedence, Binding Variables.		
9	3/09/2020	10 to 11	Logical Equivalences involving quantifiers, Rules of Inference: Valid Argument in Propositional logic.		
10	4/09/2020	9 to 10	Rules of Inference for Propositional Logic, Use to Build Arguments.		
11	7/09/2020	10 to 11	Rules of Inference for Quantified Statements, Use to Build Arguments, Resolution, Combination for Propositions and Quantified Statements		
12	9/09/2020	12.30 to 1.30	Combination for Propositions and Quantified Statements Proofs Terminology, Methods, Direct Proofs, Proof by Contraposition and Contradiction		
13	10/09/2020	10 to 11	Unit II : Introduction, Venn Diagrams, Subsets, Size of a Set, Power Sets.		
14	11/09/2020	9 to 10	Size of a Set, Power Sets, Cartesian Products, Set Notation with Quantifiers, Truth Sets and Quantifiers.		
15	14/09/2020	10 to 11	Set Operation Intersection, Union ,Difference, Compliment ,disjoint and Problems based on Set operation:		
16	16/09/2020	12.30 to 1.30	Set operation, Set identities methods.		
17	18/09/2020	9 to 10	Generalized unions and intersections		
18	21/09/2020	10 to 11	Functions : Definition , examples		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
19	23/09/2020	12.30 to 1.30	Functions: definition of sum of product and example, definition of function on subset and examples, definition of injective, surjective and bijective and Problem based on types of function.		
20	24/09/2020	10 to 11	Functions: Inverse Functions, Compositions and Graphs of Functions and problems		
21	25/09/2020	9 to 10	Some Important Functions,Ceiling and floor function, Partial Functions; Sequences: definition Arithmetic and Geometric progression.		
22	28/09/2020	10 to 11	Recurrence Relation		
23	30/09/2020	12.30 to 1.30	Special Integer Sequences, Summations; Countable Sets, An Uncountable Set;		
24	1/10/2020	10 to 11	Functions as Relations, Relations on a Set, Properties of Relations, Combining Relations;		
25	5/10/2020	10 to 11	Composite relation, n-ary Relations, Operations on n-ary Relations; Representing Relations Using Matrices		
26	7/10/2020	12.30 to 1.30	Representing Relations Using Matrices and Problem based; Closures,		
27	8/10/2020	10 to 11	Closures, Transitive Closures		
28	9/10/2020	9 to 10	Unit IV : Algebraic Systems: Examples and General Properties;		
29	14/10/2020	12.30 to 1.30	Semigroups and Monoids and Examples		
30	16/10/2020	9 to10	Homomorphism of Semigroups and Monoids, Subsemigroups and Submonoids; Groups: Definitions, Subgroups and Homomorphisms,		
31	19/10/2020	10 to11	Cosets and Lagrange's Theorem, Problems based		
32	21/10/2020	12.30to 1.30	Normal Subgroups, algebraic Systems with Two Binary Operations.		
33	22/10/2020	10 to 11	Ring, Substring, Ring Homomorphism,		
34	23/10/2020	9 to 10	Unit III : Division, The Division Algorithm, Modular Arithmetic		
35	2/11/20220	10 to 11	Arithmetic Modulo m and Examples.		
36	4/11/2020	12.30 to 1.30	Primes, Trial Division, Conjectures and Open Problems About Primes		
37	5/11/2020	10 to 11	GCD and LCM		
38	6/11/2020	9 to 10	The Euclidean Algorithm, gcds as Linear Combinations;		
39	23/11/2020	10 to 11	Linear Congruences, The Chinese Remainder Theorem		
40	25/11/2020	12.30 to 1.30	Fermat's Little Theorem, Pseudoprimes, Primitive Roots and Discrete Logarithms		
41	26/11/2020	10 to 11	Unit V: Counting: Basic Counting Principles, Product rule, sum rule.		
42	27/11/2020	9 to 10	Complex Counting Problems,		
43	2/12/2020	12.30 to 1.30	Substraction Rule and Division Rule		
44	3/12/20220	10 to 11	The Pigeonhole Principle, The Generalized Pigeonhole Principle, Applications;		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
45	4/12/2020	9 to 10	Permutations, Combinations,		
46	7/12/2020	10 to 11	Generating Permutations		
47	9/12/2020	12.30 to 1.30	Generating Permutations, Generating Combinations.		
48	10/12/2020	10 to 11	Unit VI: Graph Models;		
49	11/12/2020	9 to 10	Basic Terminology Special Simple Graphs,		
50	14/12/2020	12.30 to 1.30	Bipartite Graphs, Matchings, Applications of Special Types of Graphs, New Graphs from Old; Graph Representation, Adjacency and Incidence Matrices,		
51	16/12/2020	12.30 to 1.30	Isomorphism of Graphs, Determining Isomorphism; Paths, Connectedness in Undirected Graphs and Directed Graphs,		
52	17/12/2020	12.30 to 1.30	Paths and Isomorphism, Counting Paths Between Vertices; Euler Paths and Circuits		

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(Odd Semester 2020-2021)

OOP Execution Plan

Name of Faculty: Prof. Ms. K. H. Deshmukh 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	17/8/2020	12:30-1:30	Unit 1: Introduction to Object Oriented Programming, basic components of OOP.		
2	18/8/2020	10:00-11:00	Principles of Object-Oriented Languages Procedural Language Vs OOP		
3	20/8/2020	9:00-10:00	Java Essentials(JVM,JRE,JDK), Basic Structure of JAVA Program. Java Features - Platform Independent, Object oriented, Compiled and interpreted, Robust.		
4	21/8/2020	11:30-12:30	Java Features - Security (Strictly typed language, Lack of pointers, Garbage collection, Strict compile time checking, Sandbox security, Multithreaded and some other features.		
5	24/8/2020	12:30-1:30	Java Programming Constructs like Variables, Primitive data types, Identifier, Literals, Arithmetic operator, assignment operator, Relational Operator, boolean operator.		
6	25/8/2020	10:00-11:00	Bitwise Operator, Expressions, Precedence Rules and Associativity, Primitive Type Conversion and Casting.		
7	27/8/2020	9:00-10:00	Flow of Control: Conditional Statements, Loops with JAVA Program demonstration.		
8	28/8/2020	11:30-12:30	Flow of Control: branching statement with JAVA Program demonstration.		
9	31/8/2020	12:30-1:30	Unit 2: Basic concepts of Classes and Objects with creating objects in programming examples.		
10	3/9/2020	9:00-10:00	Concept of Methods, writing method and Method Overloading with programming examples.		
11	4/9/2020	11:30-12:30	Constructor, Parameterized Constructor with programming examples.		
12	7/9/2020	12:30-1:30	Method vs Constructor, Constructor Overloading with programming examples.		
13	8/9/2020	10:00-11:00	'this' keyword, Constructor chaining, Garbage Collection Concept.		
14	10/9/2020	9:00-10:00	'static' keyword, Instance vs Class Variables, static methods, static block.		
15	11/9/2020	11:30-12:30	Array, use of for each, Command Line Argument with programming examples.		
16	15/9/2020	10:00-11:00	Unit 3: Basics of Inheritance, Inheritance vs Aggregation, types of Inheritance		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
17	18/9/2020	11:30-12:30	Method Overriding with programming examples, Late Binding Early Binding.		
18	21/9/2020	12:30-1:30	'super' keyword, use of super keyword to access variables, methods and constructor of parent class, 'final' keyword.		
19	22/9/2020	10:00-11:00	Concept of Abstract class and Interface with programming examples, Abstract class vs Interface.		
20	24/9/2020	9:00-10:00	Java Packages, java.lang package, Concept of Wrapper Classes Converting Primitive types to wrapper objects and vice versa.		
21	25/9/2020	11:30-12:30	Autoboxing, Unboxing, Converting primitives to String Object and vice versa.		
22	28/9/2020	12:30-1:30	String class, StringBuffer class, Enum Type.		
23	29/9/2020	10:00-11:00	Unit 4: Exception Introduction, Exception Handling Techniques - Try-catch, throw, throws.		
24	1/10/2020	9:00-10:00	Exception Handling Techniques Finally, User Defined Exception with Example,		
25	5/10/2020	12:30-1:30	Exception Encapsulation, Exception Enrichment, Assertion with example.		
26	6/10/2020	10:00-11:00	Logging Levels of Logging, Java Stream classes (Byte, character).		
27	8/10/2020	9:00-10:00	Reading and Writing using Byte Stream classes, Reading and Writing using Character Stream.		
28	9/10/2020	11:30-12:30	Randomly accessing files, Java BufferedReader class, Scanner class.		
29	12/10/2020	12:30-1:30	Console class, Serialization and Deserialization with Example.		
30	16/10/2020	11:30-12:30	Unit 5: Applet: Introduction to Applet, Difference between Applet and Application Program, first Applet Program.		
31	19/10/2020	12:30-1:30	Applet Life cycle and it's methods, Common Methods used in displaying the output,		
32	20/10/2020	10:00-11:00	Methods like paint (), update () and repaint ().		
33	22/10/2020	9:00-10:00	More about applet tag, getDocumentBase() and getCodeBase () methods		
34	23/10/2020	11:30-12:30	Applet Context Interface, Audio clip		
35	03/11/2020	10:00-11:00	Graphic Class, Color, Font, Font Metrics.		
36	05/11/2020	9:00-10:00	Unit VI: Introduction, Event delegation Model, java.awt.event Description		
37	06/11/2020	11:30-12:30	Sources of events, Event Listeners		
38	23/11/2020	12:30-1:30	Adapter classes, Inner Classes.		
39	24/11/2020	10:00-11:00	Abstract Window Toolkit: Introduction, Components and Containers, Button, Label,		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
40	26/11/2020	9:00-10:00	Checkbox, Radio Buttons, List Boxes		
41	27/11/2020	11:30-12:30	Choice Boxes, Text field and Textarea		
42	3/12/2020	9:00-10:00	Container Class, Layouts		
43	4/12/2020	11:30-12:30	Menu Bar, Scrollbar		
44	7/12/2020	12:30-1:30	Revision of Unit 1 with discussion of university question paper and its solutions.		
45	8/12/2020	10:00-11:00	Revision of Unit 2 with discussion of university question paper and its solutions.		
46	10/12/2020	9:00-10:00	Revision of Unit 3 with discussion of university question paper and its solutions.		
47	11/12/2020	11:30-12:30	Revision of Unit 4 with discussion of university question paper and its solutions.		
48	14/12/2020	12:30-1:30	Revision of Units 5,6 with discussion of university question paper and its solutions.		

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Execution Plan

Name of Faculty: Prof. N. S. Khachane

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	17/8/2020	11:30-12:30	Introduction to Data Structure		
2	18/8/2020	12:30-1:30	Algorithmic Notation		
3	21/8/2020	12:30-1:30	Complexity of Algorithm		
4	24/8/2020	11:30-12:30	String Processing : Storing string, character data type		
5	25/8/2020	12:30-1:30	String Processing , Word Processing		
6	28/8/2020	12:30-1:30	Pattern Matching : First Pattern matching		
7	31/8/2020	11:30-12:30	Second Pattern Matching		
8	02/9/2020	9:00-10:00	Second Pattern Matching		
9	04/9/2020	12:30-1:30	Linear arrays and their representation in memory		
10	07/9/2020	11:30-12:30	Traversing linear arrays, inserting Operation		
11	08/9/2020	12:30-1:30	deleting operations, Bubble sort		
12	09/9/2020	9:00-10:00	Searching : Linear Search, Binary Search		
13	11/9/2020	12:30-1:30	Multidimensional Array, General Multidimensional Array		
14	14/9/2020	11:30-12:30	Pointer, Pointer Array, Matrices		
15	16/9/2020	10:00-11:00	Record, Record Structure		
16	18/9/2020	12:30-1:30	Linked List, Representation of Linked list in memory, Traversing a linked list		
17	21/9/2020	11:30-12:30	Searching a linked list		
18	22/9/2020	12:30-1:30	Memory Allocation;Garbage Collection, Overflow, Underflow		
19	23/9/2020	9:00-10:00	Insertion at the beginning of list		
20	25/9/2020	12:30-1:30	Inserting after given node		
21	28/9/2020	11:30-12:30	inserting in sorted linked list		
22	29/9/2020	12:30-1:30	deleting the node following a given node		
23	30/9/2020	12:30-1:30	deleting the node with given item of information		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
24	05/10/2020	11:30-12:30	Header Linked List, Two-way List		
25	06/10/2020	12:30-1:30	Inserting, Deleting		
26	07/10/2020	9:00-10:00	Stack, Array Representation Stack, PUSH, POP, Linked Representation Stack		
27	09/10/2020	12:30-1:30	,Linked Representation Stack, PUSH,POP		
28	12/10/2020	11:30-12:30	Evaluation of Postfix Expression, Converting Infix to Postfix Expression		
29	13/10/2020	12:30-1:30	Recursion: Factorial, Ackermann function		
30	16/10/2020	12:30-1:30	Tower of Hanoi		
31	19/10/2020	11:30-12:30	Quick Sort		
32	20/10/2020	12:30-1:30	Quick Sort		
33	21/10/2020 10	9:00 - 10:00	Queue, Representation of queue , Insertion, Deletion		
34	23/10/2020	12:30-1:30	Dequeue and Priority Queue		
35	03/11/2020	12:30-1:30	Tree, Binary Tree, Representation of binary tree		
36	04/11/2020	09:00-10:00	Traversing Binary Tree, Header Node		
37	06/11/2020	12:30-1:30	Traversal Algorithm using STACK		
38	23/11/2020	11:30 - 12:30	Binary Search Tree, Searching		
39	24/11/2020	12:30-1:30	Inserting and deleting		
40	25/11/2020	09:00-10:00	Heap and heapsort,		
41	26/11/2020	11:30 - 12:30	Path length & Huffman's algorithm.		
42	02/12/2020	10:00 - 11:00	Graph, memory representation of graph, BFS		
43	04/12/2020	12:30-1:30	Breadth first Search, Depth First Search		
44	07/12/2020	11:30 - 12:30	Insertion Sort, Selection Sort		
45	07/12/2020	12:30-1:30	Radix Sort		
46	08/12/2020	12:30-1:30	Shortest Path Algorithm		
47	09/12/2020	9:00 - 10:00	Linked Representation of graph, operation on graph		
48	11/12/2020	12:30-1:30	Ask the difficulties to students		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Odd Semester 2020-2021)

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	18/8/20	9 to 10 am	Unit 1: Basics of Semiconductors		
2	21/8/20	10 to 11 am	Introduction to P-N junction diode		
3	25/08/20	9 to 10 am	Working of p-n junction diode		
4	28/8/20	10 to 11 am	V-I characteristics of P-N junction diode and parameters		
5	29/8/20	12 to 1 pm	Introduction and working of transistor		
6	02/9/20	11:30 to 12:30	CB, CE, and CC configuration of transistor		
7	04/9/20	10 to 11 am	Characteristics of CB CE and CC configuration		
8	05/9/20	12 to 1 pm	Numericals (2 lectures)		
9	8/9/20	9 to 10 am	Unit 2: Introduction and working of JFET		
10	9/9/20	11:30 to 12:30	Drain and Transfer Characteristics of JFET		
11	11/9/20	10 to 11 am	Numericals and Parameters of FET		
12	12/9/20	12 to 1 pm	Construction and working of Depletion MOSFET		
13	15/09/20	9 to 10 am	Working of Enhancement type of MOSFET		
14	16/09/20	11:30 to 12:30	Introduction and Construction of CMOS		
15	18/09/20	10 to 11 am	Design of different logic gates using CMOS		
16	22/9/20	9 to 10 am	Unit 3: Decimal and Binary number systems		
17	23/9/20	11:30 to 12:30	2's and 1's complement subtraction		
18	25/9/20	10 to 11 am	Numericals on 1's and 2's complement subtraction		
19	26/9/20	12 to 1 Pm	Octal to Binary and binary to octal conversion		
20	29/09/20	9 to 10 am	Hexadecimal Conversion		
21	30/09/20	10 to 11 am	Computer Codes (BCD and Gray)		
22	03/10/20	12 to 1 pm	Excess 3 and other computer codes		
23	06/10/20	9 to 10 am	ASCII code and EBCDIC code		
24	7/10/20	11:30 to 12:30	Unit 4: Introduction to logic gates and Boolean theorem		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
25	09/10/20	9 to 10 am	Minimization of boolean expression using boolean theorem		
26	10/10/20	12 to 1 pm	Examples using boolean theorem		
27	14/10/2020	11:30 to 12:30	Implementation of boolean expression using logic gates and truth table		
28	17/10/2020	12 to 1 pm	SOP and POS form representation		
29	20/10/2020	9 to 10 am	Realization using SOP and POS form		
30	21/10/2020	11:30 to 12:30	Introduction to K -Map technique		
31	23/10/2020	10 to 11 am	Examples on K-Map technique		
32	24/10/2020	12 to 1 pm	Examples on K map using truth table		
33	3/11/2020	9 to 10 am	K-map using don't care condition		
34	4/11/2020	11:30 to 12:30	Tabulation method		
35	6/11/2020	10 to 11 am	Examples on tabulation method		
36	7/11/2020	12 to 1 pm	Examples on Five variable k-map		
37	24/11/2020	9 to 10 am	Unit 5: Introduction to adder and subtractor		
38	25/11/2020	11:30 to 12:30	N bit parallel adder and BCD Adder		
39	27/11/2020	10 to 11 am	Comparator and Parity generator		
40	28/11/2020	12 to 1 pm	Multiplexer and demultiplexer		
41	2/12/2020	9 to 10 am	PLA and ROM		
42	4/12/2020	10 to 11 am	Unit 6: Introduction to flip-flop, S R flip flop		
43	5/12/2020	12 to 1 pm	J K Flip Flop, Master J K flip Flop, T and D type Flip Flop		
44	8/12/2020	9 to 10 am	Shift Register and bidirectional shift register		
45	9/12/2020	11:30 to 12:30	Ring counter, Twisted ring counter, BCD counter		
46	11/12/2020	10 to 11 am	Up/Down counter, Mod counter		

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Execution Plan

Name of Faculty: Prof. Ms. R. V. Deshmukh 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	17/08/20	10 am	UNIT 1: Introduction and method to find CF		
2	20/08/20	9am	Method to find PI Case-1		
3	21/08/20	11:30am	Method to find PI Case-2		
4	24/08/20	10am	Method to find PI Case-3		
5	27/08/20	9am	Method to find PI Case-4		
6	28/08/20	11:30	General method and VOP		
7	31/08/20	10 am	Cauchy's Linear Differential Equation		
8	02/09/20	9 am	Legender's Linear Differential Equation		
9	03/09/20	9 am	UNIT 2: Definition and Properties of Laplace Transform		
10	04/09/20	11:30am	Examples on Laplace Transform		
11	07/09/20	10 am	Definition of Inverse Laplace Transform		
12	09/09/20	9 am	Examples on Inverse Laplace Transform		
13	10/09/20	9am	Examples on Inverse Laplace Transform		
14	11/09/20	11:30am	Periodic Function		
15	14/09/20	10am	UNIT 3 Solution of LDE by Laplace Transform Method		
16	16/09/20	9am	Simultaneous DE by Laplace Transform		
17	18/09/20	11;30	UNIT4 PDE: Definition of PDE, Type 1 $f(p,q)=0$		
18	21/09/20	10 am	$F(p,q,z)=0$		
19	23/09/20	9am	$f(x,p)=g(y,q)$		
20	24/09/20	9 am	Lagrange's Form		
21	25/09/20	11:30	Lagrange's Form		
22	28/09/20	10am	Clairaut's Equation		
23	30/09/20	9am	Reducible to PDE		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
24	01/10/20	9am	Statistics: Curve fitting by Line		
25	05/10/20	10am	Curve fitting by Parabola		
26	07/10/20	9am	Coefficients by Corelation		
27	08/10/20	9am	Line of Regression		
28	09/10/20	11:30	UNIT-5 Definition of Complex Number and Analytic Function		
29	16/10/20	11:30	Polar Form and Harmonic Function		
30	19/10/20	10am	Harmonic Function		
31	21/10/20	9 am	Examples on real or imaginary part given		
32	22/10/20	9am	Examples on u-v and u+v		
33	23/10/20	11:30am	Bilinear Transformation		
34	04/11/20	9am	Taylor's Series		
35	05/11/20	9am	Taylor's Series		
36	06/11/20	11:30am	Laurent's Series		
37	23/11/20	10 am	<u>UNIT 6 Vector Analysis</u>		
38	25/11/20	9am	Gradient of Scalar function		
39	26/11/20	9am	Directional Derivative		
40	27/11/20	11:30am	Directional Derivative		
41	02/12/20	9am	Divergence and curl		
42	03/12/20	9am	Line Integral		
43	04/12/20	11:30	Surface and Volume Integral		
44	07/12/20	10am	Irrotational and Solenoidal Field		
45	09/12/20	9am	<u>Unit 3 Fourier Transform</u>		
46	10/12/20	9am	Examples On Fourier Integral		
47	11/12/20	11:30am	Examples on Fourier Sine and Cosine integral		
48	14/12/20	10am	Examples on Fourier Sine and Cosine Transform		

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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	17/08/20	12:30-1:30	Unit I: The Foundations: Logic & Proofs : Propositions, Compound Statement, Logical Connectives		
2	18/08/20	10-11	Logical Connectives, Truth Tables		
3	20/08/20	12:30-1:30	Compound Propositions, Logical Operators, Logic and Bit Operations		
4	24/08/20	12:30-1:30	Logical Equivalences, De Morgan's Laws		
5	25/08/20	10-11	Problems based on Logical Equivalence		
6	27/08/20	12:30-1:30	Duality Law, Tautology, Contradiction, Contingency		
7	29/08/20	12-1	Predicates, Quantifiers: Restricted Domains, Precedence		
8	31/08/20	12:30-1:30	Logical Equivalences, Rules of Inference for Propositional Logic		
9	01/09/20	10-11	Use to Build Arguments, Resolution,		
10	03/09/20	12:30-1:30	Combination for Propositions and Quantified Statements		
11	05/09/20	12-1	Proofs Terminology, Methods, Direct Proofs & Problems		
12	07/09/20	12:30-1:30	Proof by Contraposition and Contradiction & Problems		
13	08/09/20	10-11	Unit II: Introduction, Venn Diagrams		
14	10/09/20	12:30-1:30	Subsets, Size of a Set, Power Sets, Cartesian Products		
15	12/09/20	12-1	Set Notation with Quantifiers, Truth Sets and Quantifiers		
16	14/09/20	12:30-1:30	Set Operations		
17	15/09/20	10-11	Set Identities		
18	21/09/20	12:30-1:30	Generalized Unions and Intersections, Computer representation of Sets		
19	22/09/20	10-11	Function: one -to-one, onto, bijection function		
20	24/09/20	12:30-1:30	Inverse Functions, Compositions and Graphs of Functions		
21	26/09/20	12-1	Important Functions, Partial Functions; Sequences, Recurrence Relations		
22	28/09/20	12:30-1:30	Special Integer Sequences, Summations		
23	29/09/20	10-11	Countable Sets, An Uncountable Set; Functions as Relations,		
24	01/10/20	12:30-1:30	Relations on a Set, Properties of Relations, Combining Relations;		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
25	03/10/20	12-1	n-ary Relations, Operations on n- ary Relations; Representing Relations Using Matrices;		
26	05/10/20	12:30-1:30	Closures, Transitive Closures		
27	06/10/20	10-11	Unit IV: Algebraic Systems: Examples and General Properties		
28	08/10/20	12:30-1:30	Semigroups and Monoids: Homomorphism of Semigroups and Monoids		
29	10/10/20	12-1	Subsemigroups and Submonoids		
30	12/10/20	12:30-1:30	Groups: Definitions, Subgroups and Homomorphisms		
31	15/10/20	12:30-1:30	Cosets and Lagrange's Theorem		
32	2/11/20	12:30-1:30	Normal Subgroups, algebraic Systems with Two Binary Operations.		
33	3/11/20	10-11	Unit III: Number Theory and Induction Division, The Division Algorithm, Modular Arithmetic, Arithmetic Modulo m		
34	5/11/20	12:30-1:30	Primes, Trial Division, Conjectures and Open Problems About Primes, GCD and LCM, The Euclidean Algorithm		
35	7/11/20	12-1	Gcds as Linear Combinations, Linear Congruences, The Chinese Remainder Theorem		
36	23/11/20	12:30-1:30	Fermat's Little Theorem, Pseudoprimes, Primitive Roots and Discrete Logarithms, Applications: Hashing Functions		
37	24/11/20	10-11	Mathematical Induction and Examples of Proofs, Mistaken Proofs		
38	26/11/20	12:30-1:30	Guidelines for Proofs; Strong Induction, Examples of Proofs		
39	28/11/20	12-1	Unit V: Counting Basic Counting Principles, Complex Counting Problems		
40	30/11/20	12:30-1:30	Subtraction and Division Rule, The Pigeonhole Principle,		
41	3/12/20	12:30-1:30	The Generalized Pigeonhole Principle, Applications		
42	4/12/20	1:30-2:30	Permutations, Combinations		
43	5/12/20	12-1	Generating Permutations		
44	7/12/20	12:30-1:30	Generating Combinations.		
45	8/12/20	10-11	Unit VI: Graph Graph Models; Basic Terminology, Special Simple Graphs, Bipartite Graphs, Matchings		
46	10/12/20	12:30-1:30	Applications of Special Types of Graphs, New Graphs from Old, Graph Representation, Adjacency and Incidence Matrices		
47	12/12/20	12-1	Isomorphism of Graphs, Determining Isomorphism		
48	14/12/20	12:30-1:30	Paths, Connectedness in Undirected Graphs and Directed Graphs, Paths and Isomorphism, Counting Paths Between Vertices;		
49	15/12/20	12:30-1:30	Euler Paths and Circuits, Hamilton Paths and Circuits		
50	17/12/20	12:30-1:30	Applications of Hamilton Circuits; Planar Graphs		
51	18/12/20	12:30-1:30	Euler's Formula, Kuratowski's Theorem		
52	19/12/20	12-1	Graph Coloring: Introduction, Applications of Graph Colorings		

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Execution Plan

Name of Faculty: Prof. Ms. R. A. Meshram Subject Code: 3KS03 Section: B
Subject Name: OOP Semester: III Year: Second Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	18/8/2020	9-10	Unit I: Introduction to Object Oriented Programming, basic components of OOP.		
2	20/8/2020	11:30-12:30	Principles of Object-Oriented Languages Procedural Language Vs OOP		
3	21/8/2020	10:00-11:00	Java Essentials(JVM,JRE,JDK), BAasic Structure of JAVA Program. Java Features - Platform Independent,Object oriented, Compiled and interpreted, Robust.		
4	25/8/2020	9:00-10:00	Java Features - Security (Strictly typed language, Lack of pointers, Garbage collection, Strict compile time checking, Sandbox security, Multithreaded and some other features.		
5	27/8/2020	11:30-12:30	Java Programming Constructs like Variables, Primitive data types, Identifier, Literals,		
6	28/8/2020	10:00-11:00	Arithmetic operator, assignment operator, Relational Operator, boolean operator.		
7	02/9/2020	12:30-1:30	Bitwise Operator, Expressions, Precedence Rules and Associativity, Primitive Type Conversion and Casting.		
8	03/9/2020	11:30-12:30	Flow of Control: Conditional Statements, Loops with JAVA Program demonstration.		
9	04/9/2020	10:00-11:00	Flow of Control: branching statement with JAVA Program demonstration.		
10	08/9/2020	9:00-10:00	Unit II: Basic concepts of Classes and Objects with creating objects in programming examples.		
11	09/9/2020	12:30-1:30	Concept of Methods, writing method in java programming examples.		
12	10/9/2020	11:30-12:30	Method Overloading with programming examples.		
13	11/9/2020	10:00-11:00	Constructors & it's types with program		
14	12/9/2020 (E)	11:00-12:00	Difference between constructor & method, Cleaning up Unused Objects, Class Variable and Methods		
15	15/9/2020 2	9:00-10:00	this keyword & its program		
16	15/9/2020	12:30-1:30	Static variable & static methods with programming		
17	18/9/2020	10:00-11:00	Arrays (1-D,2-D), Command Line Arguments.		
18	22/9/2020	9:00-10:00	Unit III: Inheritance: Inheritance vs. Aggregation, Method Overriding		
19	23/9/2020	12:30-1:30	super keyword in inheritance, super keyword with method overriding		
20	24/9/2020	11:30-12:30	super keyword with variables & constructors		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
21	25/9/2020	10:00-11:00	final keyword, Abstract class.		
22	29/9/2020	9:00-10:00	Interfaces: Defining interfaces, Implementing interfaces		
23	30/9	12:30-1:30	Accessing interface variables, Extending interfaces.		
24	1/10/2020	11:30-12:30	Packages: Packages, java.lang package		
25	6/10/2020	9:00-10:00	Access specifiers and Enum type		
26	7/10/2020	12:30-1:30	Unit IV: Exception: Introduction, Exception handling Techniques		
27	8/10/2020	11:30-12:30	Throw and finally Program		
28	9/10/2020	10:00-11:00	User-defined exception, Exception Encapsulation and Enrichment		
29	13/10/20	12:30-1:30	Assertions and logging concept with program		
30	15/10/20	11:30-12:30	Assertions and logging concept with program, Java Stream classes (Byte, character)		
31	16/10/20	10:00-11:00	Reading and Writing using Byte Stream classes, Reading and Writing using Character Stream		
32	19/10/20(E)	12:30-1:30	Randomly accessing files, Java BufferedReader class		
33	20/10/200	9:00-10:00	Scanner class with programs		
34	21/10/20	12:30-1:30	Console class, Serialization and Deserialization with Example.		
35	22/10/20	11:30-12:30	Unit V: Applet: Introduction to Applet, Difference between Applet and Application Program, Applet Program		
36	23/10/20	10:00-11:00	Applet Life cycle and it's methods, Common Methods used in displaying the output, paint (),repaint (),		
37	24/10/200(E)	12:00-1:00	More about applet tag, getDocumentBase() and getCodeBase () methods,		
38	03/11/200	11:30-12:30	Applet Context Interface, Audio clip		
39	04/11/200	12:30-1:30	Graphic Class, Color, Font, Font Metrics.		
40	05/11/200	11:30-12:30	Unit VI: Introduction, Event delegation Model, java.awt.event Description		
41	06/11/200	10:00-11:00	Sources of events, Event Listeners, Adapter classes, Inner Classes.		
42	24/11/200	9:00-10:00	Abstract Window Toolkit: Introduction, Components and Containers, Button, Label,		
43	25/11/200	12:30-1:30	Checkbox, Radio Buttons, List Boxes		
44	26/11/20	11:30-12:30	Choice Boxes, Textfield and Textarea		
45	27/11/20	10:00-11:00	Container Class, Layouts		
46	2/12/20	12:30-1:30	Programs based on Menu, Scrollbar		
47	3/12/20	11:30-12:30	3 University papers solved		
48	4/12/2020	10:00-11:00	Revision		
49	9/12/2020	12:30-1:30	Revision		

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

Name of Faculty: Prof. T. P. Adhau **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	17/8/2020	9	Introduction to Data Structure		
2	18/8/2020	11.30	Algorithmic Notation		
3	21/8/2020	9	Complexity of Algorithm		
4	24/8/2020	9	String Processing : Storing string, character data type		
5	25/8/2020	11.30	String Processing , Word Processing		
6	28/8/2020	9	Pattern Matching : First Pattern matching		
7	31/8/2020	9	Second Pattern Matching		
8	02/9/2020	10	Second Pattern Matching		
9	04/9/2020	9	Linear arrays and their representation in memory		
10	07/9/2020	9	Traversing linear arrays, inserting Operation		
11	08/9/2020	11.30	deleting operations, Bubble sort		
12	09/9/2020	10	Searching : Linear Search, Binary Search		
13	11/9/2020	9	Multidimensional Array, General Multidimensional Array		
14	14/9/2020	9	Pointer, Pointer Array, Matrices		
15	15/9/2020	11.30	Record, Record Structure		
16	16/9/2020	10	Linked List, Representation of Linked list in memory, Traversing a linked list		
17	18/9/2020	9	Searching a linked list		
18	21/9/2020	9	Memory Allocation;Garbage Collection, Overflow, Underflow		
19	22/9/2020	11.30	Insertion at the beginning of list		
20	23/9/2020	10	Inserting after given node		
21	25/9/2020	9	inserting in sorted linked list		
22	28/9/2020	9	deleting the node following a given node		
23	29/9/2020	11.30	deleting the node with given item of information		
24	30/9/2020	10	Header Linked List, Traversing operation		
25	05/10/20	9	Two-way List		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	06/10/2020	11.30	Inserting, Deleting		
27	07/10/2020	10	Stack, Array Representation Stack,		
28	09/10/2020	9	Linked Representation Stack		
29	13/10/2020	11:30-12:30	Linked Representation Stack, PUSH,POP		
28	16/10/2020	9:00 - 10:00	Evaluation of Postfix Expression, Converting Infix to Postfix Expression		
29	19/10/2020	9:00 - 10:00	Recursion: Factorial, Ackermann function		
30	20/10/2020	11:30-12:30	Tower of Hanoi		
31	21/10/2020	10:00 - 11:00	Quick Sort		
32	23/10/2020	9:00 - 10:00	Quick Sort		
33	03/11/2020 10	11:30-12:30	Queue, Representation of queue , Insertion, Deletion		
34	04/11/2020	10:00 - 11:00	Dequeue and Priority Queue		
35	06/11/2020	9:00 - 10:00	Tree, Binary Tree, Representation of binary tree		
36	23/11/2020	09:00-10:00	Traversing Binary Tree		
37	24/11/2020	11:30-12:30	Traversal Algorithm using STACK		
38	25/11/2020	10:00 - 11:00	Binary Search Tree, Searching		
39	26/11/2020	12:30-1:30	Inserting and deleting		
40	27/11/2020	09:00-10:00	Header Node		
41	02/12/2020	10:00 - 11:00	Heap and heapsort,		
42	04/12/2020	09:00-10:00	Path length & Huffman's algorithm.		
43	07/12/2020	09:00-10:00	Path length & Huffman's algorithm.		
44	08/12/2020	11:30-12:30	Graph, memory representation of graph		
45	09/12/2020	10:00 - 11:00	BFS ,Breadth first Search		
46	11/12/2020	09:00-10:00	Depth First Search, Insertion Sort		
47	14/12/2020	9:00 - 10:00	Selection Sort,Radix Sort		
48	15/12/2020	11:00-12:30	Shortest Path Algorithm,Linked Representation of graph		
49	16/12/2020	12:30-02:00	operation on graph		

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Execution Plan

Name of Faculty: Prof. Ms. A. B. Pahurkar **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	17/8/20	11:30 to 12:30	Unit 1: Basics of Semiconductor		
2	20/8/20	10 to 11	Introduction to P-N Junction diode		
3	21/8/20	12:30 to 1:30	Working of P-N junction diode		
4	24/8/20	11:30 to 12:30	V-I characteristics of P- N junction Diode		
5	27/8/20	10 to 11	Parameters of P-N junction Diode		
6	28/8/20	12:30 to 1:30	Introduction and working of transistor		
7	31/9/20	11:30 to 12:30	CB, CE, and CC configuration of Transistor		
8	03/9/20	10 to 11	I/P and Op characteristics of CB and CE		
9	04/9/20	12:30 to 1:30	Characteristics of CC configuration		
10	05/9/20	9 to 11	Numericals (2 Extra lecture)		
11	7/9/20	11:30 to 12:30	Unit 2: Introduction and working of FET		
12	8/9/20	12:30 to 1:30	Drain and Transfer characteristics of JFET		
13	10/9/20	10 to 11	Parameters of FET and Numerical		
14	11/9/20	9 to 10	Introduction and working of MOSFET		
15	14/9/20	11:30 to 12:30	Enhancement Type of MOSFET and its Characteristics		
16	16/9/20	12:30 to 1:30 pm	Introduction and Construction of CMOS		
17	18/9/20	12:30 to 1:30 pm	Designing of different logic gates using CMOS		
18	21/9/20	11:30 to 12:30	Unit 3: Binary and Decimal number systems		
19	22/9/20	12:30 to 1:30 pm	r's and r-1 compliments		
20	24/9/20	10 to 11	Numericals on 1's and 2's complement subtraction		
21	25/9/20	12:30 to 1:30 pm	Octal to Binary and binary to octal conversion		
22	28/09/20	9 to 10 am	Hexadecimal Conversion		
23	29/09/20	12:30 to 1:30 pm	Computer Codes (BCD and Gray)		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
24	01/10/20	10 to 11 am	Excess 3 and other computer codes		
25	05/10/20	9 to 10 am	ASCII code and EBCDIC code		
26	06/10/20	11:30 to 12:30 pm	Unit 4: Introduction to logic gates and Boolean theorem		
27	08/10/20	9 to 10	Minimization of boolean expression using boolean theorem		
28	09/10/20	12 to 1	Examples using boolean theorem		
29	12/10/20	11:30 to 12:30	Examples on boolean expression using logic gates and truth table		
30	14/10/20 20	11:30 to 12:30	Representation using SOP and POS form		
31	16/10/20 20	12:30 to 1:30 pm	Realization using SOP and POS form		
32	17/10/20 20	1 to 2 pm	Introduction to K-Map technique		
33	19/10/20 20	11:30 to 12:30	Examples on k-map technique		
34	20/10/20 20	10 to 11 am	Examples on K map using truth table		
35	22/10/20 20	10 to 11 am	Conversion of SOP into POS and vice- versa		
36	23/10/20 20	12:30 to 1:30 pm	K-map using don't care condition		
37	3/11/202 0	12:30 to 1:30	Revised K-map		
38	5/11/202 0	10 to 11 am	Tabulation Method		
39	6/11/202 0	12:30 to 1:30	Examples on tabulation method		
40	23/11/20 20	11:30 to 12:30 pm	Examples on five variable k-map		
41	24/11/20 20	12:30 to 1:30	Unit 5: Introduction to adder and subtractor		
42	26/11/20 20	10 to 11 am	N bit parallel adder and BCD Adder		
43	27/11/2 020	12:30 to 1:30 pm	Comparator and Parity generator		
44	3/12/20 20	10 to 11	Multiplexer and demultiplexer		
45	4/12/20 20	12:30 to 1:30	PLA and ROM		
46	7/12/20 20	11:30 to 12:30	Unit 6: Introduction to flip-flop, S R flip flop		
47	8/12/20 20	12:30 to 1:30 pm	J K Flip Flop, Master J K flip Flop, T and D type Flip Flop		
48	10/12/2 020	10 to 11 am	Shift Register and bidirectional shift register, Ring counter, Twisted ring counter		
49	11/12/2 020	12:30 to 1:30 pm	BCD counter, Up/Down counter, Mod counter		

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Execution Plan

Name of Faculty: Prof. Ms. S. S. Harne **Subject Code:** **Section: B**
Subject Name: EVS **Semester: III** **Year: Second Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1.	29/08/20	11:00-12:00	Introduction of EVS		
2.	02/09/20	11.30-12:30	Introduction of Ecosystem		
3.	05/09/20	11:00-12:00	Types of Ecosystem, Structure of Ecosystem		
4.	09/09/20	11:30-12:30	Function of Ecosystem		
5.	16/09/20	11:30-12:30	Introduction of Food Chain		
6.	19/09/20	11:00-12:00	Types of food chain		
7.	23/09/20	11:30-12:30	Grazing food chain and detritus food chain		
8.	26/09/20	11:00-12:00	Food Web		
9.	30/09/20	11:30-12:30	Ecological Pyramid		
10.	03/10/20	11:00-12:00	Types of Pyramid and Succession		
11.	07/10/20	11:30-12:30	Primary Succesion, Sec.Succesion		
12.	10/10/20	11:00-12:00	Biodiversity ,Levels of Biodiversity		
13.	14/10/20	11:30-12:30	Classification of Biodiversity,Conservation		
14.	17/10/20	2.00-3.00	Conservation of biodiversity		
15.	21/10/20	11.30-12.30	Insitu Conservation & Exsitu Conservation		
16.	24/10/20	11:00-12:00	Values of Biodiversity		
17.	04/11/20	11.30-12.30	Hot Spot of Biodiversity		
18.	07/11/20	11.00-12.00	Threats to Biodiversity		
19.	25/11/20	11.30-12.30	Endangered and Endemic Species, India as		
20.	28/11/20	11:00-12:00	Environmental Pollution, Cassification		
21.	02/12/20	11.30-12.30	Classification of Pollutants, Water Pollution		
22.	05/12/20	11:00-12:00	Sources of Water Pollution		
23.	12/12/20	11:00-12:00	Classification and Effects of water Pollution		
24.	16/12/20	11.30-12.30	Eutrofication,Bioaccumlation,Magnification,Intr		

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Execution Plan

Name of Faculty: Prof. Ms. S. R. Sawarkar 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
1	17/08/20	11.30 to 12.30	UNIT I Definition of L.D.E, DIFFERENT METHODS OF FINDING COMPLIMENTRY FUNCTION		
2	18/08/20	10 to 11	CASE 1, 2 OF FINDING PARTICULAR INTEGRAL		
3	20/08/20	9 to 10	CASE 3 OF P.I		
4	24/08/20	11.30 to 12.30	CASE 4 OF P.I		
5	25/08/20	10 to 11	CASE 5 OF P.I		
6	27/08/20	9 to 10	method of variation of parameter		
7	31/08/20	11.30 to 12.30	Cauchy's Linear Differential Equation		
8	02/09/20	12.30 to 1.30	Legender's Linear Differential Equation		
9	03/09/20	9 to 10	UNIT 2 LAPLCE TRANSFORM-- definition and properties		
10	07/09/20	11.30 to 12.30	examples of LT		
11	08/09/20	10 to 11	inverse LT		
12	09/09/20	12.30 to 1.30	INVERSE LT EXMPLES		
13	10/09/20	9 TO 10	INVERSE LT EXMPLES		
14	14/09/20	11.30 to 12.30	LT of periodic function		
15	15/09/20	10 to 11	UNIT III Solution of L.D.E by L.T		
16	16/09/20	12.30 to 1.30	Solution of simultaneous D.E. by L.T		
17	21/09/20	11. TO 12.30	UNIT IV Partial Differential Equation Type I		
18	22/09/20	10 TO 11	Type II, III		
19	23/09/20	12.30 TO 1.30	Type IV		
20	24/09/20	9 TO 10	Type V, Reducible to previous types		
21	28/09/20	11.30 TO 12.30	FITTING OF STRIGHT LINE		
22	29/09/20	10 TO 11	FITTING OF PARABOLA		
23	30/09/20	12.30 to 1.30	coefficient of corelation		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
24	01/10/20	9 to 10	line of regression		
25	05/10/20	11.30 to 12.30	UNIT V COMPLEX ANALYSIS		
26	06/10/20	10 to 11	EXAMPLES		
27	07/10/20/	12.30 to 1.30	EXAMPLES		
28	08/10/20	9 to 10	EXAMPLES		
29	12/10/20	11.30 TO 12.30	CONFORMAL MAPPING		
30	14/10/20	12.30 TO 1.30	EXAMPLES		
31	19/10/20	11.30 to 12.30	TAYLORS SERIES		
32	20/10/20	10 to 11	LAURENTS SERIES		
33	21/10/20	12.30 to 1.30	UNIT VI VECTOR ANALYSIS		
34	22/10/20	9 to 10	GRADIENT OF SCALAR FUNCTION		
35	03/11/20	10 to 11	DIRECTIONAL DERIVATIVE		
36	04/11/20	12.30 to 1.30	DIVERGENCE AND CURL OF VECTOR		
37	05/11/20	9 to 10	LINE , SURFACE AND VOLUME INTEGRAL		
38	23/11/20	11.30 to 12.30	LINE , SURFACE AND VOLUME INTEGRAL		
39	24/11/20	10 to 11	IRROTATIONAL , SOLENOIDAL VECTOR FIELD		
40	25/11/20	12.30 to 1.30	UNIT III FOURIER TRANSFORM		
41	26/11/20	9 to 10	EXAMPLES		
42	03/12/20	9 to 10	EXAMPLES		
43	06/12/20	11.30 to 12.30	EXAMPLES		
44					
45					

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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	17-8-20	12:30-1:30	Unit I : Introduction to logic and Proofs, Propositions, Propositional variables, Truth Tables, Compound and Simple Propositions .		
2	18-8-20	9:00-10:00	Notations , Logical Operators : Negation , Conjunction , Disjunction ,Conditional , Bi-conditional ,exclusive or, Truth Tables of logical operators.		
3	20-8-20	10:00-11:00	Conditional statements, Truth Table of Compound Propositions, Examples,Precedence of Logical operators.		
4	21-8-20	12:30-1:30	Logic and Bit operations , Examples , Applications of Propositional logic, translating English Sentences.		
5	25-8-20	9:00-10:00	Logical Equivalences, De Morgan's Laws		
6	27-8-20	10:00-11:00	Problems based on Logical Equivalences, Introduction to Predicates and examples.		
7	28-8-20	12:30-1:30	Precondition and Postcondition Predicates and example , Quantifiers ,Introduction to Universal Quantifiers and Problems based on Universal Quantifiers		
8	29-8-20	12:00-1:00	Quantifiers: Restricted Domains, Precedence, Binding Variables.		
9	03-9-20	10:00-11:00	Logical Equivalences involving quantifiers, Rules of Inference:Valid Argument in Propositional logic.		
10	04-9-20	12:30-1:30	Rules of Inference for Propositional Logic, Use to Build Arguments.		
11	05-9-20	12:00-1:00	Rules of Inference for Quantified Statements,Use to Build Arguments, Resolution, Combination for Propositions and Quantified Statements		
12	08-9-20	9:00-10:00	Combination for Propositions and Quantified Statements Proofs Terminology, Methods, Direct Proofs, Proof by Contraposition and Contradiction		
13	10-9-20	10:00-11:00	Unit II : Introduction, Venn Diagrams, Subsets, Size of a Set, Power Sets.		
14	11-9-20	12:30-1:30	Size of a Set, Power Sets, Cartesian Products, Set Notation with Quantifiers, Truth Sets and Quantifiers.		
15	12-9-20	12:00-1:00	Set Operation Intersection,Union ,Difference, Compliment ,disjoint and Problems based on Set operation:		
16	15-9-20	9:00-10:00	Set operation, Set identities methods.		
17	18-9-20	12:30-1:30	Generalized unions and intersections		
18	22-9-20	9:00-10:00	Functions : Definition , examples		
19	24-9-20	10:00-11:00	Functions: definition of sum of product and example, definition of function on subset and examples, definition of injective, surjective and bijective and Problem based on types of function.		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
20	25-9-20	12:30-1:30	Functions: Inverse Functions, Compositions and Graphs of Functions and problems		
21	26-9-20	12:00-1:00	Some Important Functions,Ceiling and floor function, Partial Functions; Sequences: definition Arithmetic and Geometric progression.		
22	29-9-20	9:00-10:00	Recurrence Relation		
23	1-10-20	10:00-11:00	Special Integer Sequences, Summations; Countable Sets, An Uncountable Set;		
24	3-10-20	12:00-1:00	Functions as Relations, Relations on a Set, Properties of Relations, Combining Relations;		
25	6-10-20	9:00-10:00	Composite relation, n-ary Relations, Operations on n-ary Relations; Representing Relations Using Matrices		
26	8-10-20	10:00-11:00	Representing Relations Using Matrices and Problem based; Closures,		
27	9-10-20	12:30-1:30	Closures, Transitive Closures		
28	10-10-20	12:00-1:00	Unit IV : Algebraic Systems: Examples and General Properties;		
29	16-10-20	12:30-1:30	Semigroups and Monoids and Examples		
30	17-10-20	12:00-1:00	Homomorphism of Semigroups and Monoids, Subsemigroups and Submonoids; Groups: Definitions, Subgroups and Homomorphisms,		
31	20-10-20	9:00-10:00	Cosets and Lagrange's Theorem, Problems based		
32	22-10-20	10:00-11:00	Normal Subgroups, algebraic Systems with Two Binary Operations.		
33	23-10-20	12:30-1:30	Ring, Substring, Ring Homomorphism,		
34	24-10-20	12:00-1:00	Unit III : Division, The Division Algorithm, Modular Arithmetic		
35	03-11-20	9:00-10:00	Arithmetic Modulo m and Examples.		
36	05-11-20	10:00-11:00	Primes, Trial Division, Conjectures and Open Problems About Primes		
37	06-11-20	12:30-1:30	GCD and LCM		
38	07-11-20	12:00-1:00	The Euclidean Algorithm, gcds as Linear Combinations;		
39	24-11-20	9:00-10:00	Linear Congruences, The Chinese Remainder Theorem		
40	26-11-20	10:00-11:00	Fermat's Little Theorem, Pseudoprimes, Primitive Roots and Discrete Logarithms		
41	27-11-20	11:30-12:30	Unit V: Counting: Basic Counting Principles, Product rule, sum rule.		
42	27-11-20	12:30-1:30	Complex Counting Problems,		
43	3-12-20	10:00-11:00	Subtraction rule , Division rule , Tree diagram.		
44	4-12-20	12:30-1:30	The Pigeonhole Principle, The Generalized Pigeonhole Principle, Applications;		
45	5-12-20	12:00-1:00	Permutations, Combinations,		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
46	8-12-20	9:00-10:00	Generating Permutations		
47	10-12-20	10:00-11:00	Generating Permutations, Generating Combinations.		
48	12-12-20	12:00-1:00	Unit VI: Graph Models;		
49	12-12-20	1:00-2:00	Basic Terminology Special Simple Graphs,		
50	15-12-20	11:30-12:30	Bipartite Graphs, Matchings, Applications of Special Types of Graphs, New Graphs from Old; Graph Representation, Adjacency and Incidence Matrices,		
51	16-12-20	1:00-2:00	Isomorphism of Graphs, Determining Isomorphism; Paths, Connectedness in Undirected Graphs and Directed Graphs,		
52	17-12-20	10:00-11:00	Paths and Isomorphism, Counting Paths Between Vertices; Euler Paths and Circuits		
53	18-12-20	12:00-1:00	Hamilton Paths and Circuits, Applications of Hamilton Circuits; Planar Graphs: Euler's Formula, Kuratowski's Theorem;		
54	19-12-20	1:00-2:00	Graph Coloring: Introduction, Applications of Graph Colorings.		

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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	24/08/20	12.30-1.30 pm	Unit I: Introduction to Object Oriented Programming, basic components of OOP. Principles of Object-Oriented Languages Procedural Language Vs OOP.		
2	28/08/20	09.00-10.00 am	Java Essentials(JVM,JRE,JDK), BASIC Structure of JAVA Program. Java Features - Platform Independent, Object oriented, Compiled and interpreted, Robust.		
3	29/08/20	11.00-12.00 am	Java Features - Security (Strictly typed language, Lack of pointers, Garbage collection, Strict compile time checking, Sandbox security, Multithreaded and some other features		
4	02/09/20	11.30-12.30 am	Java Programming Constructs like Variables, Primitive data types, Identifier, Literals,		
5	05/09/20	09.00-10.00 am	Arithmetic operator, Assignment operator, Relational Operator, Boolean operator.		
6	07/09/20	12.30-1.30 pm	Bitwise Operator, Expressions, Precedence Rules and Associativity, Primitive Type Conversion and Casting.		
7	09/09/20	11.30-12.30 am	Flow of Control: Conditional Statements, Loops with JAVA Program demonstration.		
8	11/09/20	09.00-10.00 am	Flow of Control: branching statement with JAVA Program demonstration.		
9	12/09/20	11.00-12.00 am	Unit II: Basic concepts of Classes and Objects with creating objects in programming examples.		
10	14/09/20	12.30-1.30 pm	Concept of Methods, writing method in java programming examples.		
11	16/09/20	11.30-12.30 am	Method Overloading with programming examples.		
12	18/09/20	09.00-10.00 am	Constructors & it's types with program		
13	21/09/20	12.30-1.30 pm	Difference between constructor & method, Cleaning up Unused Objects, Class Variable and Methods		
14	23/09/20	11.30-12.30 am	this keyword & its program, Static variable & static methods with programming		
15	25/09/20	09.00-10.00 am	Arrays(1-D,2-D), Command Line Arguments.		
16	26/09/20	11.00-12.00 am	Unit III: Inheritance: Inheritance vs. Aggregation, Method Overriding		
17	28/09/20	12.30-1.30 pm	super keyword in inheritance, super keyword with method overriding, Constructors		
18	30/09/20	11.30-12.30 am	final keyword, Abstract class.		
19	03/10/20	11.00-12.00 am	Interfaces: Defining interfaces, Implementing interfaces		
20	05/10/20	12.30-1.30 pm	Accessing interface variables, Extending interfaces.		
21	07/10/20	11.30-12.30 am	Packages: Packages, java.lang package		
22	09/10/20	09.00-10.00 am	Access specifiers and Enum type		
23	10/10/20	11.00-12.00 am	Unit IV: Exception: Introduction, Exception handling Techniques		

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Execution Plan

Name of Faculty: Prof. Ms. K. R. Hole 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
1	17/8/2020	10-11 am	Introduction to Data Structure		
2	20/8/2020	11:30-12:30	Algorithmic Notation		
3	21/8/2020	10-11 am	Example of algorithm		
4	24/8/2020	03-04 pm	Control structures		
5	27/8/2020	11:30-12:30	Complexity of Algorithm		
6	28/8/2020	10-11 am	Sub-algorithm, Storing string, character data type		
7	31/8/2020	10-11 am	String operation (Substring, Index)		
8	2/9/2020	9-10 am	Length, Concatenation		
9	3/9/2020	11:30-12:30	Word processing Operation (Insertion)		
10	4/9/2020	10-11 am	Deletion		
11	7/9/2020	10-11 am	Replacement		
12	9/9/2020	9-10 am	First Pattern Matching algorithm concept		
13	10/9/2020	11:30-12:30	First Pattern Matching algorithm Examples		
14	11/9/2020	10-11 am	First Pattern Matching algorithm		
15	14/9/2020	10-11 am	Second Pattern Matching algorithm Concept		
16	16/9/2020	9-10 am	Second Pattern Matching algorithm Examples		
17	18/9/2020	10-11 am	Second Pattern Matching algorithm		
18	21/9/2020	10-11 am	Linear array, LA representation		
19	23/9/2020	9-10 am	Traversing LA algorithm-for and while loop		
20	24/9/2020	11:30-12:30	Insertion in LA examples and algorithm		
21	25/9/2020	10-11 am	Deletion in LA examples and algorithm		
22	28/9/2020	10-11 am	Bubble sort and Linear search algorithm with example		
23	30/9/2020	9-10 am	Multidimensional array types and representation		
24	30/9/2020	10-11 am	Row-major order and column-major order examples		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
25	01/10/2020	11:30-12:30	Record structure and sparse matrix with types		
26	05/10/2020	10-11 am	Linked list and representation, Traversing LL algorithm		
27	07/10/2020	9-10 am	Memory allocation, Garbage collection, AVAIL list, Overflow & underflow concept.		
28	08/10/2020	11:30-12:30	Insertion at beginning algorithm and example		
29	09/10/2020	10-11 am	Insertion between two nodes algorithm and example		
30	19/10/2020	10-11 am	Inserting into sorted linked list algorithm with example		
31	21/10/2020	9-10 am	Deletion from LL and example		
32	22/10/2020	11:30-12:30	Deleting node with given item of information algorithm and example		
33	23/10/2020	10-11 am	Header LL, Circular header list and types, Circularly LL, Doubly LL.		
34	04/11/2020	9-10 am	Representation of polynomial in LL with examples		
35	05/11/2020	11:30-12:30	Stack concept, basic operations and array representation of stack		
36	06/11/2020	10-11 am	Linked representation of stack- push & pop algorithm		
37	23/11/2020	10-11 am	Arithmetic expression-polish notation		
38	25/11/2020	9-10 am	Evaluation of postfix expression algorithm		
39	26/11/2020	11:30-12:30	Evaluation of postfix expression- examples		
40	27/11/2020	10-11 am	Infix to postfix expression examples		
41	2/12/2020	9-10 am	Infix to postfix expression algorithm		
42	3/11/2020	11:30-12:30	Recursion, Factorial function, Ackermann function		
43	4/11/2020	10-11 am	Queue, array representation- QINSERT, QDELETE		
44	5/11/2020	10-11 am	Linked representation, Dqueue, Circular Queue		
45	7/11/2020	10-11 am	Binary Tree, 2-tree		
46	9/11/2020	9-10 am	Linked Representation, traversing binary tree		
47	10/11/2020	11:30-12:30	Binary Search Tree, Application- Algo A, Algo B		
48	14/11/2020	11am-12pm	Threads- Inorder threading, Huffman's Algorithm with example		
49	16/11/2020	11am-12pm	Insertion Sort and Selection Sort		
50	17/11/2020	12pm-1pm	Quick Sort Algorithm And example		
51	18/11/2020	1pm-2pm	Radix sort algorithm with example		
52	19/11/2020	1pm-2pm	Warshall's Algorithm with example		

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Execution Plan

Name of Faculty: Prof. G. B. Saboo **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	17/8/20	9.00 to 10:00	UNIT 1: Classification of Materials, Structure, Atom, Ionization		
2	18/8/20	11:30 to 12:30	Intrinsic Semiconductor, Extrinsic Semiconductor, N Type and P Type		
3	20/8/20	12:30 to 1:30	Drift Current, Diffusion Current, Unbiased PN Junction Diode		
4	21/8/20	11:30 to 12:30	Biasing of PN Junction Diode, Forward Biasing, Forward Characteristics.		
5	24/8/20	9:00 to 10:00	Reverse Biasing, Reverse Characteristics, Resistance of Diode, Avalanche Breakdown.		
6	27/8/20	12:30 to 1:30	Bipolar Junction Transistor, Unbiased Transistor		
7	28/8/20	11:30 to 12:30	Operation of PNP and NPN Transistors, Current component in Transistor		
8	31/8/20	9:00 to 10:00	Current Component in Transistor, Transistor as an amplifier		
9	2/9/20	10.00 to 11:00	Transistor Configuration, Common base Configuration		
10	3/9/20	12:30 to 1:30	Common Emitter Configuration, Common Collector Configuration		
11	4/9/20	11:30 to 12:30	Relation between β , α and V_{BE} , Characteristics of CB configuration		
12	7/9/20	9:00 to 10:00	Characteristics of CE configuration, UNIT 2: Introduction to FET		
13	9/9/20	10:00 to 11:00	Unbiased FET, Operation of nchannel JFET		
14	10/9/20	12:30 to 1:30	JFET Characteristics		
15	11/9/20	11:30 to 12:30	Transfer Characteristics, JFET Parameters		
16	14/9/20	9:00 to 10:00	n channel and p channel Depletion type MOSFET		
17	16/9/20	10:00 to 11:00	n-channel and p-channel Enhancement type MOSFET, CMOS		
18	18/9/20	11:30 to 12:30	CMOS Inverter, CMOS NAND and NOR Gate UNIT 3: Number System Introduction		
19	21/9/20	9:00 to 10:00	Binary Number System, Binary to Decimal and Decimal to Binary conversion		
20	21/9/20	10:00 to 11:00	1's and 2's Complement Representation, Signed Magnitude Representation, Binary Arithmetic.		
21	23/9/20	10:00 to 11:00	Octal Number System, Octal to Decimal, Decimal to Octal Conversion, Octal to Binary and Binary to Octal Conversion		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
22	24/9/20	12:30 to 1:30	Hexadecimal Number System, Hexadecimal to Decimal, Decimal to Hexadecimal Conversion, Hexadecimal to Binary Conversion		
23	25/9/20	11:30 to 12:30	Binary to Hexadecimal Conversion, Hexadecimal to Octal, Octal to Hexadecimal Conversion, Complements		
24	28/9/20	9:00 to 10:00	Octal Arithmetic, Hexadecimal Arithmetic.		
25	1/10/20	12:30 to 1:30	Decimal Arithmetic, BCD Arithmetic		
26	5/10/20	9:00 to 10:00	Codes :Straight Binary Code, BCD Codes, Excess-3 Code, Gray Code		
27	7/10/20	10:00 to 11:00	Octal Code, Hexadecimal Code, Alphanumeric Codes		
28	8/10/20	12:30 to 1:30	Unit 4: Logic Gates, Boolean Algebraic Theorems		
29	9/10/20	11:30 to 12:30	DeMorgan's Theorem, Minimizing given function using Boolean Algebraic Theorem		
30	15/10/20	12:30 to 1:30	Minimizing given function using Boolean Algebraic Theorem		
31	16/10/20	11:30 to 12:30	Logic Expression representation, SOP and POS Form, Minterm and Maxterm Representation.		
32	19/10/20	9:00 to 10:00	Example on SOP and POS Form, Two Level Realization of SOP and POS Form		
33	21/10/20	10:00 to 11:00	Introduction to K-Map Technique		
34	22/10/20	12:30 to 1:30	Examples on K -map technique		
35	23/10/20	11:30 to 12:30	Example on 8 cell K-Map		
36	4/11/20	10:00 to 11:00	Example on 16 cell K- Map		
37	5/11/20	12:30 to 1:30	Minimization of SOP Form, Minimization of POS Form		
38	6/11/20	11:30 to 12:30	Minimization of POS Form using K-Map		
39	23/11/20	9:00 to 10:00	Tabular Method		
40	26/11/20	12:30 to 1:30	Tabular Method, Don't Care Condition		
41	28/11/20	12:00 to 1:00	Tabular Method		
42	2/12/20	10:00 to 11:00	Unit 5: Half Adder, Full Adder, Half Subtractor, Full Subtractor, Multiplexer		
43	3/12/20	12:30 to 1:30	Multiplexer examples.		
44	4/12/20	11:30 to 12:30	Demultiplexer, Encoder, Decoder		
45	7/12/20	9:00 to 10:00	Decoder Example, n-bit adder		
46	9/12/20	10:00 to 11:00	BCD Adder using 4 bit Adder		
47	10/12/20	12:30 to 1:30	Nine's Complement Circuit, BCD Subtractor		
48	14/12/20	9:00 to 10:00	Digital Comparator		
49	15/12/20	12:30 to 1:30	Parity Checker, Unit 6: Flip Flop, SR Flip Flop		
50	16/12/20	12:00 to 1:00	Clocked SR Flip Flop, J K Flip Flop		
51	17/12/20	11:00 to 12:00	Race Around Condition, Master Slave JK Flip Flop, Edge Triggering		
52	18/12/20	11:00 to 12:00	Excitation Table, Register, Shift Register		
53	21/12/20	12:00 to 1:00	Ring Counter, Twisted Ring Counter, Synchronous and Asynchronous Counter		

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Execution Plan

Name of Faculty: Prof. Ms. P. V. Harne **Subject Code:** **Section:** C
Subject Name: EVS **Semester:** III **Year:** Second Year

Sr.No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	21/8/2020	9:00-10:00	Introduction About Environment , Definition, etc		
2	28/8/2020	9:00-10:00	Unit-1 Ecosystem Ecosystem Definition and types of ecosystem		
3	4/09/2020	9:00-10:00	Types of Aquatic Ecosystem ,Component Of ecosystem		
4	11/09/2020	9:00-10:00	Function of ecosystem-Productivity , energy flow , Double channel energy model		
3	15/09/2020	11:30-1:30	Def Food chain , Grazing and detritus food chain ,food web,Ecological pyramid- pyramid of biomass,		
4	22/09/2020	11:30-1:30	Ecological succession and Process-nudation , aggregation,migration, Hydrosere or Hydrarch		
5	29/09/2020	11:30-1:30	Nutrient Cycle - Nitrogen, phosphorus, Sulphur cycle , carbon cycle		
6	06/10/2020	11:30-1:30	Unit-2 Biodiversity- Introduction, Definition and levels of biodiversity. Biogeographically		
7	13/10/2020	11:30-1:30	Def ⁿ and List of endanger , rare vulnerable , extinct spp., Endemic sp., threaten sp., important		
9	20/10/2020	11:30-1:30	Conservation Strategy -In site conservation-sanctuaries, national park , biosphere reserve		
10	27/10/2020	11:30-1:30	Exsitu conservation-seed bank, gene bank, zoo, botanical park, aquarium, arboreta		
12	03/11/2020	11:30-1:30	Unit-3 Environmental pollution- Introduction, Definition, Pollutant and types of pollutant Air pollution - sources , types of pollutant , atmosphere - troposphere stratosphere,		
13	24/11/2020	11:30-1:30	Effects of air pollution on Plants , Materials , animals and on human being . control measures of air pollution.s Water pollution - types of pollutant , point source and non point source, sources of water pollution		
14	8/12/2020	11:30-1:30	Surface water pollution and ground water pollution, Domestic waste , industrial effluent,agricultural runoff Fluoride poisoning , arsenic poisoning, Itai-Itai disease , blue baby syndrome, minamata disease .		

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Execution Plan

Name of Faculty: Prof. S. P. Ingale Subject Code: 5KS02 Section: A

Subject Name: FSDP Semester: V Year: Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	17/8/20	11 to 12	Introduction: File Structures and Data Processing		
2	18/8/20	10 to 11	File structure design ,File processing operations : open, close,		
3	20/8/20	1:30 to 2:30	File processing operations : open, close, read, write, seek Unix directory structure		
4	24/8/20	11 to 12	Unix directory structure,Secondary storage devices: disks,		
5	25/8/20	10 to 11	Secondary storage devices: disks,		
6	27/8/20	1:30 to 2:30	Organizing Track by Sector, , Organizing Block by Tracks		
7	29/8/20	1:30 to 2:30	Secondary storage devices: tape		
8	02/09/20	11 to 12Ad	Secondary storage devices: CD - ROM		
9	03/09/20	1:30 to 2:30	Secondary storage devices revision , Journey of Byte		
10	05/09/20	1:40 to 2:30	Buffer management		
11	07/09/20	11 to 12	contd. Buffer management		
12	08/09/20	10 to 11	I/O in Unix		
13	10/09/20	11 to 12ad	Unit 2 File Structure Concept		
14	12/09/20	9:30 to 10:30 ad	Field and Record Structures		
15	15/09/20	10 to 11	Record access		
16	16/09/20	10 to 11a	Record access, Record structures		
17	18/09/20	12.30to 1:30 ad	file access & file organization		
18	19/09/20	1:30 to 2:30	Abstract data models for file access		
19	21/09/20	11 to 12	Metadata. Extensibility		
20	22/09/20	10 to 11	portability & Standardization revision		
21	23/09/20	12:30to01:30	Unit 3: Data Compression		
22	24/09/20	1:30 to 2:30	Data compression and reclaiming spaces in files		
23	26/09/20	1:30 to 2:30	problems on Huffman encoding		
24	28/09/20	11 to 12	Storage compaction and record deletion		
25	29/09/20	10 to 11	introduction to internal and binary searching. keysorting		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	30/09/20	12:30 to 1:30	Indexing concepts. Object I/O. Multiple keys indexing		
27	01/10/20	10 to 11 A	Inverted lists, Selective indexes, Binding		
28	03/10/20	9:30 to 10:30	Problems on First Fit, Best Fit , Worst Fit		
29	05/10/20	11 to 12	Unit 4 :Introduction to Cosequential processing, Cosequential processing operation		
30	06/10/20	1:30 to 2:30 A	Matching and Merging , Functions		
31	07/10/20	10to 11	Cosequential processing : Object-Oriented model, its application		
32	7/10/20	11to 12 A	Internal sorting: a second look		
33	08/10/20	11 to 12	File Merging : Sorting of large files on disks, Heap		
34	10/10/20	9:30to 10:30	Problems & Heap Building Algorithm		
35	13/10/20	11 to 12a	File Merging : Sorting of large files on disks		
36	14/10/20	12:30 to 1:30	File Merging : Sorting of large files on disks		
37	15/10/20	1:30 to 2:30	Sorting files on tapes		
38	17/10/20	1:30 to 2:30	Problems Selection Sort		
39	19/10/20	11 to 12	Unit V: Introduction to Multilevel Indexing		
40	20/10/20	10 to 11	Indexing using Binary Search tree,OOP based B tree		
41	21/10/20	12:30 to 1:30	B tree methods Search , insert, and others		
42	22/10/20	1:30 to 2:30	Deletion merging & redistribution		
43	24/10/20	1:30 to 2:30	Problems		
44	3/11/20	10 to 11	Revision		
45	4/11/20	10to 11	Virtual B - tree		
46	5/11/20	1:30-2:30	VL records & keys		
47	7/11/20	9:30t-10:30	Indexed Sequential File access and Prefix B+ tree		
48	23/11/20	11 to 12	Revision , Hashing introduction		
49	25/11/20	12:30 to 1:30	Unit 6: Introduction : Hashing,A simple hashing algorithm,		
50	29/11/20	1:30-2:30	Hashing Function and Record Distribution		
51	2/12/20	12:30 to 1:30	Collision resolution ,		
52	03/12/20	1:30	Buckets		
53	05/12/20	9:30 ad	Making Deletion, Pattern of record		
54	07/12/20	11:00	Collision resolution techniques		
55	09/15/20	12:30	Revision		
56	10/12/20	1:30-2:30	External hashing . implementation, Deletion		
57	12/12/20	9:30 ad	performance, Alternative approach		
58	14/12/20	10	Alternative approach Revision		

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Execution Plan

Name of Faculty: Prof. A. R. Deshmukh Subject Code: 5KS03 Section: A
Subject Name: SS Semester: V Year: Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	17/08/20	12:30 to 1:30	Introduction to Compiler		
2	18/08/20	12:30 to 1:30	Phases of compiler, Lexical Analysis: The role of lexical analyzer		
3	18/08/20	1:30 to 2:30	Specification of Token, Recognition of Token, Problems on Phases of Compiler		
4	20/08/20	11:00 to 12:00	Problems on Phases of Compiler		
5	25/08/20	12:30 to 1:30	Context Free Grammar(CFG), Derivation and derivation tree, Ambiguity in CFG		
6	31/08/20	11:00 to 12:00	Syntax analysis: The role of the parser		
7	31/08/20	12:30 to 1:30	Top Down Parsing: Recursive Descent Parsing		
8	02/09/20	10:00 to 11:00	Left Factoring, Left Recursion		
9	04/09/20	12:30 to 1:30	First and Follow		
10	07/09/20	12:30 to 1:30	First and Follow		
11	08/09/20	1:30 to 2:30	Construction of Predictive Parsing Table		
12	09/09/20	10:00 to 11:00	LL(1) Grammar		
13	09/09/20	11:00 to 12:00	Verification for String		
14	10/09/20	10:00 to 11:00	Problems on LL(1) grammar		
15	14/09/20	12:30 to 1:30	Introduction to Bottom up parsing		
16	14/09/20	1:30 to 2:30	Finding LR(0) items		
17	15/09/20	1:30 to 2:30	Problems based on LR(0)		
18	16/09/20	10:00 to 11:00	LR Parsing algorithm		
19	21/09/20	12:30 to 1:30	Construction of SLR parsing table		
20	23/09/20	10:00 to 11:00	Construction of SLR parsing table		
21	24/09/20	11:00 to 12:00	Canonical LR parsing table		
22	28/09/20	12:30 to 1:30	Canonical LR parsing table		
23	29/09/20	1:30 to 2:30	Canonical LALR parsing table		
24	30/09/20	10:00 to 11:00	Stack Implementation of Shift Reduce Parsing		
25	01/10/20	11:00 to 12:00	State Minimization of DFA		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	05/10/20	12:30 to 1:30	Introduction to Syntax Directed Translation		
27	06/10/20	10:00 to 11:00	Syntax Directed Translation:Syntax directed definitions		
28	08/10/20	11:00 to 12:00	SDD Attributes		
29	12/10/20	12:30 to 1:30	Problems based on Syntax directed definitions		
30	13/10/20	1:30 to 2:30	Dependency Graph		
31	15/10/20	11:00 to 12:00	construction of syntax trees		
32	19/10/20	12:30 to 01:30	Directed acyclic graphs for the expression		
33	20/10/20	01:30 to 02:30	S-attributed definitions,top down translation		
34	21/10/20	10:00 to 11:00	Intermediate language		
35	22/10/20	11:00 to 12:00	Translation of declaration and assignment statements		
36	22/10/20	01:30 to 2:30	Design issues of code generator		
37	03/11/20	01:30 to 2:30	Target machine		
38	04/11/20	10:00 to 11:00	Runtime storage management		
39	04/11/20	12:30 to 1:30	Basic block and flow graph		
40	05/11/20	11:00 to 12:00	Introduction to runtime environment		
41	23/11/20	12:30 to 1:30	Source language issues		
42	24/11/20	12:30 to 1:30	Activation tree, control stack		
43	25/11/20	10:00 to 11:00	storage organization		
44	26/11/20	10:00 to 11:00	Activation Record		
45	02/12/20	10:00 to 11:00	Storage allocation strategies,dangling reference		
46	03/12/20	11:00 to 12:00	Symbol table :entries,storage allocation		
47	07/12/20	11:00 to 12:00	Hash table ,scope information		
48	09/12/20	10:00 to 11:00	Subdivision of runtime memory		

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Execution Plan

Name of Faculty: Prof. Ms. N. A. Deshmukh Subject Code: 5KS04 Section: A
Subject Name: STLD Semester: V Year: Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	17/8/2020	1:30PM	UNIT1&2: Basics of STLD,VHDL,Objectives,Building Blocks.		
2	20/8/2020	10:00 AM	Modelling Types,Program Example.		
3	21/8/2020	12:30PM	Examples of data flow modelling,VHDL elements:Data Types.Assignment 1.		
4	27/8/2020	10:00AM	VHDL program by using dataflow,behavioural & structural modelling.		
5	27/8/2020	11:00AM	Unit 3: Representation and simplification of K-map.		
6	28/8/2020	12:30PM	Problems on K-map.		
7	31/8/2020	1:30PM	PI,EPI,RPI PROBLEMS.		
8	02/9/2020	12:30PM	FPI,FEPI,FRPI Problems.		
9	03/9/2020	10:00AM	PI,EPI,RPI WITH don't care condition.		
10	03/9/2020	11:00AM	Quine McCluskey Method with problem.		
11	07/9/2020	1:30PM	QuineMcCluskey(minterms+don't care)problems.		
12	08/9/2020	12:30PM	QuineMcCluskey(maxterms+don't care)problems.		
13	09/9/2020	12:30PM	Significance of Demorgan's Law with problems.		
14	10/9/2020	12:30PM	Minimization & implementation of function and Real expression using universal gates.		
15	11/9/2020	12:30PM	Implementation of logic functions using AND/OR Inverter and alternative graphic symbols.		
16	14/9/2020	01:30PM	Degenerated and Nondegenerated Form.		
17	15/9/2020	12:30PM	Numericals on Degenerated and NonDegenerated Form.		
18	16/9/2020	11:00AM	EXTRA NUMERICALS		
19	21/9/2020	01:30PM	Unit 4: Combinational Circuit:Half Adder & Full Adder		
20	22/9/2020	12:30PM	Half Adder Using universal gates:NAND & NOR		
21	22/9/2020	01:30PM	Binary/4-bit Parallel Adder.		
22	23/9/2020	11:00AM	Half & Full Subtractor with Binary/4-bit parallel subtractor.		
23	24/9/2020	10:00AM	Binary Adder-Subtractor.		
24	29/9/2020	12:30PM	Excess-3 Adder with Example.		
25	30/9/2020	11:00AM	Excess-3 Subtractor with Example.		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	1/10/2020	12:30PM	Serial Adder.		
27	6/10/2020	12:30PM	Look Ahead Carry Adder.		
28	7/10/2020	12:30Pm	2's Complement add/sub using parallel adder.		
29	8/10/2020	10:00AM	Unit-5: Code converter:Binary to BCD code.		
30	9/10/2020	12:30PM	4bit binary to 2's complement conversion. BCD-to-Gray code conversion.		
31	12/10/2020	01;30PM	BCD-to-X-3 code,4 bit gray code implemented using NAND gate.		
32	13/10/2020	12:30PM	4 bit xs-3 code conversion with decimal no.		
33	14/10/2020	11:00AM	3bit BCD conversion.		
	15/10/2020	10:00-11:00	CLASS TEST 1 (STLD)		
34	16/10/2020	12:30PM	BCD-TO-7 Segment Decoder,2421,5211 code conversion.		
37	19/10/2020	1:30PM	Parity bit generator and checker.		
38	20/10/2020	12:30PM	Numericals on 4bit input Even Parity Bit Generator.		
39	21/10/2020	11:00AM	Numericals on 4bit input ODD Parity Bit Generator.		
40	22/10/2020	10:00AM	Extra problems.		
41	3/11/2020	12.30PM	Camparators with numericals		
42	5/11/2020	08:00AM	Multiplexer with numericals.		
43	6/11/2020	12:30PM	Multiplexer continue.		
44	24/11/2020	9:00AM	Demultiplexer.		
45	24/11/2020	10:00PM	Encoder-Decoder.		
46	25/11/2020	11:00AM	Priority Encoder.		
47	2/10/2020	11:00AM	Unit:-6 Flip-flop and conversion of flip-flop.		
48	3/10/2020	10:00AM	Counters: Numericals on synchronous counters.		
49	4/10/2020	12:30PM	Numericals on Asynchronous counter.Finite state machine.		

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Execution Plan

Name of Faculty: Prof. Ms. N. M. Yawale Subject Code: 5KS01 Section: B
Subject Name: DC Semester: V Year: Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	17/08/20	12.30 to 1.30	<u>Unit 1:</u> Introduction: Data Communication, Characteristics of Data Communication		
2	18/08/20	11 to 12	Components of data communication, Networks		
3	21/08/20	12.30 to 1.30	Distributed Processing, Data Communication Network Criteria		
4	24/08/20	12.30 to 1.30	Line configuration, Topology(Mesh, Star, Tree)		
5	25/08/20	11 to 12	Topology(Bus, Ring, Hybrid), Transmission Mode		
6	27/08/20	12.30 to 1.30	Network Categories, Signal:Analog and Digital		
7	28/08/20	12.30 to 1.30	Characteristics of analog signal, Composite Signal		
8	31/08/20	12.30 to 1.30	Frequency spectrum and Bandwidth, Digital signal, Decomposition of digital signal		
9	2/09/20	11 to 12	<u>Unit 2:</u> Encoding, Modulation, Conversion methods		
10	4/09/20	10 to 11	Unipolar, NRZ-L, NRZ-I digital to digital encoding		
11	7/09/20	12.30 to 1.30	RZ encoding, Manchester and differential Manchester Encoding		
12	8/09/20	11 to 12	Bipolar Encoding (AMI, B8ZS, HDB3)		
13	9/09/20	10 to 11	Analog to digital conversion, Bit rate, Baud Rate, Nyquist Theorem		
14	11/09/20	12.30 to 1.30	Digital to analog conversion(ASK,FSK)		
15	14/09/20	11.30 to 12.15	Digital to analog conversion (PSK,QAM)		
16	14/09/20	12.15 to 1.00	Analog to analog Conversion, Digital data transmission		
17	15/09/20	11 to 12	DTE-DCE interface, Modem, Guided Media		
18	16/09/20	10 to 11	Unguided Media, Transmission Impairment		
19	18/09/20	12.30 to 1.30	<u>Unit 3:</u> Multiplexer (FDM,WDM,TDM)		
20	21/09/20	12.30 to 1.30	Inverse Multiplexing, Carrier services, Types of Errors		
21	22/09/20	11 to 12	Error detection technique (VRC,LRC)		
22	23/09/20	10 to 11	CRC, Checksum		
23	25/09/20	12.30 to 2.30	Error Correction, Hamming code		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
24	28/09/20	12.30 to 1.30	Unit 4: Data Link Layer: Line Discipline (ENQ/ACK,POLL/SELECT)		
25	29/09/20	11 to 12	Flow control(Stop and Wait, Sliding Window)		
26	30/09/20	10 to 11	Error control(Stop-wait ARQ, Go-back-n ARQ, Selective reject ARQ)		
27	05/10/20	11 to 12	Data Link Protocol (Asynchronous Protocol)		
28	06/10/20	11 to 12	Synchronous Protocol(Bit Oriented, Byte Oriented)		
29	07/10/20	11 to 12	SDLC,HDLC: Station Type, Configuration, Modes, Frames		
30	09/10/20	12.30 to 1.30	Unit 5: Local Area Network,LAN Architecture (Token ring, Token bus)		
31	12/10/20	12.30 to 1.30	LAN Architecture (ethernet, FDDI)		
32	13/10/20	11 to 12	MAN (MAN Services)		
33	15/10/20	11 to 12	SMDS		
34	16/10/20	12.30 to 1.30	ISDN		
35	19/10/20	12.30 to 1.30	OSI Model, OSI Layers		
36	20/10/20	11 to 12	Unit 6: Frame Relay (Introduction, services, advantages, disadvantages)		
37	21/10/20	10 to 11	Frame relay operation, Frame relay layers		
38	22/10/20	12.30 to 1.30	Congestion Control		
39	03/11/20	11 to 12	Leaky Bucket Algorithm		
40	04/11/20	10 to 11	Leaky Bucket Algorithm Example		
41	06/11/20	12.30 to 1.30	Traffic control attributes, Frame relay features		
42	23/11/20	12.30 to 1.30	revision unit 1		
43	24/11/20	11 to 12	revision unit 1		
44	25/11/20	10 to 11	revision unit 1		
45	27/11/20	12.30to 1.30	revision unit 2		
46	02/12/20	10 to 11	revision unit 2		
47	03/12/20	12.30 TO 1.30	revision unit 2		
48	07/12/20	12.30 TO 1.30	revision unit 3		
49	08/12/20	11 to 12	revision unit 3		
50	08/12/20	10 to 11	revision unit 3		

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Execution Plan

Name of Faculty: Prof. Ms. S. V. Kalbande Subject Code: 5KS02 Section: B
Subject Name: FSDP Semester: V Year: Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	17/8/2020	10-11am	UNIT 1 -Introduction file structure design and file operations.open,close,seek,read,write.		
2	18/8/2020	1.30-2.30	Unix Directory structure and commands		
3	20/8/2020	11-12	secondary storage devices :DISK its organization		
4	29/8/2020	9-10	organization of disk drive ,non data overhead		
5	31/8/2020	10-11	Internal Fragmentation and org.of sector by block		
6	2/9/2020	12.30-1.30	Magnetic Tape & Its organization		
7	3/9/2020	11-12	CD-ROM organization pits and Land formation.		
8	5/9/2020	9-10	Buffer management and bottleneck		
9	7/9/2020	10-11	I/O UNIX system and system process with kernel		
10	8/9/2020	1.30-2.30	problems on disk drive and magnetic Tape		
11	9/9/2020	12.30-1.30	unit 2 - Feild organization & Record organization		
12	10/9/2020	10-11	sequential access and direct access Techniques		
13	10/9/2020	11-12	File Access and file organization		
14	12/9/2020	1.30-2.30	Abstract data model,metadata,extensibility		
15	14/9/2020	10-11	portability & Standardization		
16	15/9/2020	1.30-2.30	Unit 3 -Different compression Techniques(2 completed)		
17	16/9/2020	12.30-1.30	Run length encoding algorithm		
18	19/9/2020	1.30-2.30	Morse code and Huffman encoding		
19	21/9/2020	11-12	Storage compaction and record deletion		
20	22/9/2020	1.30-2.30	Keysorting with memory and secondary storage		
21	23/9/2020	12.30-1.30	Indexing with memory and secondary storage		
22	24/9/2020	11-12	Composer Index Record Addition,update ,deletion		
23	26/9/2020	1.30-2.30	Pinned Records ,selective Index file		
24	28/9/2020	10-11	Binding- Tightly binding and loosely binding of records,problems on placement strategies		
25	29/9/2020	1.30-2.30	problems on Huffman Encoding		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	30/9/2020	12.30-1.30	Problems on Huffman Encoding (university problems).		
27	1/10/2020	11-12	Unit -4:Consequential Processing Techniques,matching Algorithm		
28	3/10/2020	1.30-2.30	Merging algorithm with example		
29	5/10/2020	10-11	Heap Building Algorithm with problems		
30	6/10/2020	1.30-2.30	Heap sorting Algorithm with example		
31	7/10/2020	9-10	Replacement selection algorithm with algorithm		
32	8/10/2020	11-12	Ledger Application Program		
33	10/10/2020	9-10	Sorting files on Tapes & multiphase tape		
34	13/10/2020	1.30-2.30	Unix utilities of consequential processing		
35	14/10/2020	12.30-1.30	University questions Problems on heap building and sorting		
36	15/10/2020	11-12	Unit-5 AVL Tree ,Advantages & problems of AVL tree		
37	17/10/2020	1.30-2.30	Paged binaryTree ,Advantages & problems of paged tree		
38	19/10/2020	10-11	Insertion of B-Tree with multilevel Index		
39	21/10/2020	12.30-1.30	Deletion of B-Tree with multilevel Index		
40	22/10/2020	11-12	Prefix Binary Tree, B++ Tree		
41	24/10/2020	1.30-2.30	Multilevel Indexing of B+ Tree		
42	03/11/2020	1.30-2.30	Unit 6 Introduction to simple Hashing Function,Algorithm		
43	04/11/2020	12.30-2.30	Record Distribution ,collison with solutions		
44	05/11/2020	11-12	Progressive Overflow Technique collision Resolution		
45	7/11/2020	1.30-2.30	Hashing with Bucket		
46	23/11/2020	10-11	Double Hashing		
47	24/11/2020	1.30-2.30	Chained progressive overflow		
48	25/11/2020	12.30-1.30	Extensible Hashing		
49	26/11/2020	11-12	Hashing with Trie		
50	28/11/2020	1.30-2.30	trie and Bucket		
51	30/11/2020	10-11	Directory structure and Bucket		
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Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. R. A. Kale

Subject Code: 5KS03

Section: B

Subject Name: SS

Semester: V

Year: Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	18/08/20	12.30-1.30	Unit-1 Introduction to Compiling: Phases of a compiler		
2	20/08/20	10-11	Phases of a compiler		
3	21/08/20	11.30-12.30	Phases of a compiler examples		
4	24/08/20	11-12	Phases of a compiler examples		
5	25/08/20	12.30-1.30	Lexical Analysis: The role of lexical analyzer and examples of phases of compiler (2 Lect)		
7	27/08/20	10-11	input buffering		
8	28/08/20	11.30-12.30	specification of tokens		
9	02/09/20	11-12	recognition of tokens		
10	03/09/20	10-11	recognition of tokens, and language for specifying lexical analysis		
11	04/09/20	11.30-12.30	state minimization of DFA examples		
12	08/09/20	12.30-1.30	state minimization of DFA examples		
13	09/09/20	11-12	Unit-2 Syntax Analysis: The role of the parser		
14	11/09/20	11.30-12.30	Review of context free grammar for syntax analysis		
15	15/09/20	12.30-1.30	Review of context free grammar for syntax analysis		
16	16/09/20	11-12	Top down parsing: recursive descent parsing		
17	18/09/20	11.30-12.30	predictive parsers		
18	22/09/20	12.30-1.30	Transition diagrams for predictive parsers and Non recursive predictive parsing		
19	23/09/20	11-12	Compute FIRST and FOLLOW		
20	24/09/20	10-11	Compute FIRST and FOLLOW		
21	25/09/20	11.30-12.30	Construction of predictive parsing tables		
22	29/09/20	12.30-1.30	Construction of predictive parsing tables		
23	30/09/20	11-12	LL (1) grammars		
24	01/10/20	10-11	Error recovery in predictive parsing		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
25	06/10/20	12.30-1.30	Unit-3 Bottom up parsing: Handle pruning		
26	13/10/20	12.30-1.30	Stack implementation of Shift Reduce Parsing and conflicts during shift reduce parsing		
27	14/10/20	11-12	LR parsers: LR parsing algorithm and Construction of SLR parsing table		
28	15/10/20	11.30-12.30	SLR parser examples		
29	20/10/20	12.30-1.30	SLR parsing table and moves of SLR parser		
30	21/10/20	11-12	Construction of CLR parsing table		
31	22/10/20	10-11	CLR parsing table and moves of CLR parser		
32	23/10/20	11.30-12.30	canonical LALR parsing tables		
33	3/11/20	12.30-1.30	Error recovery in LR parsing		
34	4/11/20	11-12	SLR,CLR,LALR examples		
35	5/11/20	10-11	Unit-4 Syntax Directed Translation: Syntax directed definitions, attributes		
36	6/11/20	11.30-12.30	Dependency graphs, construction of syntax trees,Syntax directed definition for constructing syntax trees		
37	24/11/20	12.30-1.30	DAG,Top down translation		
38	25/11/20	11-12	Inherited and synthesized attribute examples		
39	26/11/20	10-11	Unit-6 Code Generation: Intermediate languages		
40	2/12/20	11-12	Translation of Declarations & Assignments statements		
41	3/12/20	10-11	Design issues of a Code generator		
42	4/12/20	11.30-12.30	Target machine, Runtime storage management		
43	8/12/20	12.30-1.30	Unit-5 Run Time Environments: Source language issues: Activation trees, control stacks		
44	9/12/20	11-12	storage organization, subdivision of run time memory, activation records		
45	10/12/20	10-11	Storage allocation strategies, static allocation, stack allocation, dangling references. Symbol table: Entries, Storage allocation		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. Y. S. Alone

Subject Code: 5KS04

Section: B

Subject Name: STLD

Semester: V

Year: Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	17-AUG-20	11to 12	Unit 1 & 2: Introduction to VHDL		
2	18-AUG-20	10 to 11	VHDL Fundamentals		
3	20-AUG-20	1:30 to 2:30	Modelling Types		
4	21-AUG-20	12:30 to 1:30	VHDL Elements: 1. Identifier		
5	24-AUG-20	2 to 3	Data Object Data Type		
6	25-AUG-20	10 to 11	Pre-defined data types, User-defined data types		
7	28-AUG-20	2 to 3	VHDL Operator, Concurrent Statements, Generate Statement.		
8	31-AUG-20	11 to 12	Process Block ,Sequential State		
9	02-SEP-20	1:30 to 2:30	Program based on Behavioral Style , Data Flow Style , Structural Style		
10	03-SEP-20	12:30 to 1:30	Unit 3: Minimization of Switching function by 1. Representation and simplification of K-map		
11	04-SEP-20	2 to 3	Problem based on K-map(2variable,3variable,4Variable)		
12	07-SEP-20	11to 12	Prime Implicants , Essential Prime Implicants, Redundant Prime Implicants & selective Prime Implicants.		
13	08-SEP-20	10 to 11	Problem Based on PI,EPI,SPI & RPI		
14	09-SEP-20	1:30 to 2:30	Problem Based on FPI,EFPI,SFPI & RFPI		
15	10-SEP-20	12:30 to 1:30	Problem of K-map with don't care.		
16	15-SEP-20	10 to 11	Quine McCluskey Method:Problem		
17	16-SEP-20	1:30 to 2:30	Quine McCluskey: problems with minterms+don't		
18	18-SEP-20	2 to 3	Quine McCluskey: problems with maxterm+don't		
19	21-SEP-20	11to 12	Demorgan's Law with problems.		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
20	22-SEP-20	10 to 11	Minimization & implementation of function		
21	23-SEP-20	1:30 to 2:30	Degenerated and Non-degenerated Form		
22	24-SEP-20	12:30 to 1:30	Problem based on: K-map , Q-M Methods		
23	25-SEP-20	2 to 3	Unit 4: Combinational Circuit: Adder(HA&FA)		
24	28-SEP-20	11to 12	Implementation of Half Adder & full Adder gate		
25	29-SEP-20	10 to 11	Half & Full Subtractor with Binary 4-bit parallel		
26	30-SEP-20	1:30 to 2:30	4 bit Binary Parallel Adder: Ripple Carry Adder		
27	01-OCT-20	12:30 to 1:30	Binary Adder-Subtractor., Excess-3 Adder , Excess-		
28	05-OCT-20	11to 12	Unit 5: Serial Adder. Look Ahead Carry Adder.		
29	06-OCT-20	10 to 11	Difference between Serial Adder and Parallel Adder		
30	07-OCT-20	1:30 to2:30	2's Complement add/sub using parallel adder		
31	09-OCT-20	2 to 3	BCD Adder		
32	12OCT-20	11 TO 12	CODE CONVERTER:Binary to Gray		
33	14-OCT-20	1:30 TO 2:30	Gray to Binary code converter		
34	15-OCT-202	12:30 TO 1:30	Binary to BCD code converter		
35	16-OCT-2020	2 TO 3	BCD TO Binary, BCD To Gray		
36	19-OCT-2020	11 TO 12	BCD TO Excess-3		
37	20-Oct-2020	10 to 11	Problem based on Code converter		
38	21-oct-2020	1:30 to 2:30	Multiplexer and Demultiplexer		
39	22-oct-2020	9 to 10	Parity Bit:Parity Generator,Parity Checker		
40	23-oct-2020	2 to 3	Comparator: 1 bit and 2 bit,Encoder,Priority Encoder		
41	3-Nov-20	10 to 11	BCD to Seven segment decoder		
42	4-Nov-20	1:30 to 2:30	Unit6:Sequential Circuits		
43	5-NOV-20	12:30 TO 2:30	Type of Sequential Circuit		
44	6-Nov-20	2 to 3	Feedback circuit,Latch & Flip-flop		
45	23-Nov-20	11 to 12	conversion of Flip-flop:SR FF to JK FF		
46	24-Nov-20	10 to 11	conversion of Flip-flop:T FF to JK FF		
47	25-Nov-20	1:30 to 2:30	conversion of Flip-flop:SR FF to D FF		
48	26-Nov-20	12:30to 1:30	Counters		
49	2-Dec-20	1:30 to 2:30	Problem based on Asynchronous counter		
50	3-Dec-20	12:30to 1:30	Problem based on Synchronous counter		
51	4-DEC-20	2 TO 3	Design 3 bit up-down counter using JK Flip-flop		
52	8-DEC-20	10TO 11	Finite State Machine		
53	9-DEC-20	1:30 TO 2:30	Revision of unit 1 & 2		
54	10-DEC-20				

Prof. Ram Meghe Institute of Technology & Research Badnera
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(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. G. J. Sawale Subject Code: 5KS01 Section: C

Subject Name: DC Semester: V Year: Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
01	17/8/2020	1:30 to 2:30 PM	Introduction: Components, Networks		
02	20/8/2020	10 to 11 AM	Protocols and standards, Basic Concepts: Line		
03	21/8/2020	11:30 to 12:30 PM	Topology Transmission mode		
04	24/8/2020	1:30 to 2:30 PM	Topology Transmission mode		
05	27/8/2020	10 to 11 AM	analog and digital signals, periodic and periodic		
6	28/8/2020	11:30 to 12:30 PM	time and frequency domains,		
7	31/8/2020	1:30 to 2:30 PM	composite signals, digital signals		
8	02/09/2020	11 to 12 PM	Encoding and modulating: digital –to- digital		
9	03/09/2020	10 to 11 AM	analog-to-digital conversion, digital to analog		
10	04/09/2020	11:30 to 12:30 PM	analog to analog conversion, digital data		
11	07/09/2020	1:30 to 2:30 PM	DTE-DCE interface, modems, cable modems		
12	09/09/2020	11 to 12 PM	transmission media: guided media, unguided		
13	10/09/2020	10 to 11 AM	transmission impairment.		
14	11/09/2020	11:30 to 12:30 PM	Performance, wavelength, Shannon capacity,		
15	14/09/2020	1:30 to 2:30 PM	Multiplexing: Many to one/ one to many		
16	16/09/2020	11 to 12 PM	frequency division multiplexing, wave division		
17	18/09/2020	11:30 to 12:30 PM	TDM, multiplexing applications: the telephone		
18	21/09/2020	1:30 to 2:30 PM	Error detection and correction : types of errors,		
19	23/09/2020	11 to 12 PM	VRC, Longitudinal redundancy check		
20	24/09/2020	10 to 11 AM	cyclic redundancy check, checksum		
21	25/09/2020	11:30 to 12:30 PM	error correction		
22	28/09/2020	1:30 to 2:30 PM	Data link Control: Line Discipline		
23	30/09/2020	11 to 12 PM	flow control, error control		
24	01/10/2020	10 to 11 AM	Data link Protocols: Asynchronous Protocols		

Sr	Date	Time	Topics Covered	Sign. of	Sign. of
25	05/10/2020	1:30 to 2:30 PM	synchronous protocols, character oriented		
26	06/10/2020	12:30 to 1:30PM	Bit - oriented protocols link access procedures.		
27	07/10/2020	11 to 12 PM	flow control, error control		
28	09/10/2020	11:30 to 12:30 PM	flow control, error control		
29	12/10/2020	1:30 to 2:30 PM	Local Area Networks: Ethernet, other Ethernet		
30	16/10/2020	11:30 to 12:30 PM	token bus, token ring,		
31	19/10/2020	1:30 to 2:30 PM	FDDI, Comparison, And MAN		
32	21/10/2020	11 to 12 PM	IEEE802.6 (DQDB) SMDS		
33	22/10/2020	10 to 11 AM	Switching: circuit switching, packet switching,		
34	04/11/2020	11 to 12 PM	integrated services digital networks (ISDN):		
35	05/11/2020	10 to 11 AM	Subscriber access to ISDN.		
36	23/11/2020	1:30 to 2:30 PM	Frame relay: introduction, frame relay		
37	25/11/2020	11 to 12 PM	frame relay layers, congestion control		
38	26/11/2020	10 to 11 AM	leaky bucket algorithm,& Flowchart		
39	27/11/2020	11:30 to 12:30 PM	Traffic control and other features.		
40	02/12/2020	10 to 11 AM	leaky bucket algorithm,& Flowchart		
41	04/12/2020	11:30 to 12:30 PM	Revision on I, II, III Units		
42	07/12/2020	1:30 to 2:30 PM	Revision on IV, V, VI Units		

Prof. Ram Meghe Institute of Technology & Research Badnera
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(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: **Dr. S. R. Gupta**

Subject Code: **5KS02**

Section: **C**

Subject Name: **FSDP**

Semester: **V**

Year: **Third Year**

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1.	17/08/2020	11:00 to 12:00	UNIT-I: Introduction to File Structures and Data Processing.		
2.	18/08/2020	10:00 to 11:00	Introduction to File Structure Design.		
3.	20/08/2020	01:30 to 02:30	File processing operations : open, close, read.		
4.	21/08/2020	11:30 to 12:30	File processing operations : read, write, seek..		
5.	24/08/2020	11:00 to 12:00	Unix directory structure, Introduction to Secondary storage devices.		
6.	25/08/2020	10:00 to 11:00	Secondary Storage Devices: Disk, Organisation of Disk, Physical Placement of Sector..		
7.	27/08/2020	01:30 to 02:30	Organisation Disk, Example Estimating Disk Drive Capacity and Space Need.		
8.	28/08/2020	12:30 to 01:30	Organizing Track by Sector, Physical Placement of Sector, Organizing Block by Tracks.		
9.	31/08/2020	11:00 to 12:00	Organizing Track by Blocks, Cost of Disk Access and Numerical Problem based on same.		
10.	02/09/2020	10:00 to 11:00	Magnetic Tape: Introduction, Nine Track Tape, Estimating Tape Length Requirement.		
11.	03/09/2020	01:30 to 02:30	Magnetic Tape: Estimating Tapes other parameters. CD-ROM: Introduction, Physical Organisation, Strength & Weaknesses.		
12.	04/09/2020	12:30 to 01:30	Buffer Management: Buffer & Buffering Strategies, I/O Unix.		
13.	07/09/2020	11:00 to 12:00	UNIT-II: File Structuring Concept:: Introduction, Field Organisation		
14.	08/09/2020	10:00 to 11:00	File Structuring Concept:: Record Organisation		
15.	09/09/2020	12:30 to 01:30	Using classes to manipulate buffers, Record access, Record structures		
16.	10/09/2020	01:30 to 02:30	File access & file organization, Abstract data models for file access.		
17.	11/09/2020	12:30 to 01:30	Metadata, Extensibility, Portability & standardization.		
18.	14/09/2020	11:00 to 12:00	UNIT-III: Data Compression, Introduction, Types of Data Compression.		
19.	15/09/2020	10:00 to 11:00	Reclaiming spaces in files and Record Deletion		
20.	16/09/2020	12:30 to 01:30	Problems on Huffman Code (Variable Length Encoding Method)		
21.	18/09/2020	12:30 to 01:30	Introduction to internal sorting and Binary searching		
22.	21/09/2020	11:00 to 12:00	Keysorting, Indexing concepts.		
23.	22/09/2020	10:00 to 11:00	Indexing, Object I/O. Multiple keys indexing.		
24.	23/09/2020	12:30 to 01:30	Inverted lists, Selective indexes, Binding.		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
25.	24/09/2020	01:30 to 02:30	UNIT-IV: Introduction to Consequential processing, Consequential processing operation MATCH function.		
26.	25/09/2020	12:30 to 01:30	Consequential processing operation MERGE procedure.		
27.	28/09/2020	11:00 to 12:00	Consequential Processing: Object-Oriented model, its application.		
28.	29/09/2020	10:00 to 11:00	A Second Look at Internal Sorting: An overlapping I/O, Heapsort, Heap Insert Function.		
29.	30/09/2020	12:30 to 01:30	File Merging: Sorting of large files on disks.		
30.	01/10/2020	01:30 to 02:30	Sorting files on tapes: Balanced Merge		
31.	05/10/2020	11:00 to 12:00	Sorting files on tapes: K-way Balanced Merge, Multiphase Merging, Polyphase and Cascade Merging.		
32.	06/10/2020	10:00 to 11:00	Sort merge packages. Sorting and Consequential processing in Unix		
33.	07/10/2020	12:30 to 01:30	UNIT-V: Introduction to Multilevel indexing.		
34.	08/10/2020	01:30 to 02:30	Indexing using Binary Search trees, AVL Tree, Page Binary Tree.		
35.	09/10/2020	12:30 to 01:30	B-tree and Properties of B-tree, OOP based B-trees.		
36.	12/10/2020	11:00 to 12:00	B-tree methods Search, Insert and others.		
37.	14/10/2020	10:00 to 11:00	Deletion, merging & redistribution in B-tree.		
38.	15/10/2020	01:30 to 02:30	B*trees. Virtual B-trees. VL records & keys.		
39.	16/10/2020	12:30 to 01:30	Indexed sequential file access and Prefix B+trees.		
40.	19/10/2020	11:00 to 12:00	UNIT-VI: Introduction to Hashing.		
41.	20/10/2020	10:00 to 11:00	A simple hashing algorithm and examples.		
42.	21/10/2020	12:30 to 01:30	Hashing functions and record distributions.		
43.	22/10/2020	01:30 to 02:30	Collision and Collision resolution method.		
44.	23/10/2020	12:30 to 01:30	Buckets, Making deletions, Pattern of record access.		
45.	03/11/2020	10:00 to 11:00	Extendible Hashing: Introduction and Example		
46.	04/11/2020	12:30 to 01:30	Extendible Hashing Implementation and Deletion.		
47.	05/11/2020	01:30 to 02:30	Extendible Hashing: Performance, Alternative approaches.		
48.	06/11/2020	12:30 to 01:30	Alternative approaches: Linear and Dynamic Hashing.		
49.	23/11/2020	11:00 to 12:00	Revision on Unit-IV		
50.	24/11/2020	10:00 to 11:00	Revision on Unit-I		
51.	25/11/2020	12:30 to 01:30	Revision on Unit-I		
52.	27/11/2020	12:30 to 01:30	Revision on Unit-II		
53.	02/12/2020	12:30 to 01:30	Revision on Unit-II		
54.	03/12/2020	01:30 to 02:30	Revision on Unit-III		
55.	04/12/2020	12:30 to 01:30	Revision on Unit-III		
56.	07/12/2020	11:00 to 12:00	Revision on Unit-IV		
57.	08/12/2020	10:00 to 11:00	Revision on Unit-IV		
58.	09/12/2020	12:30 to 01:30	Revision on Unit-V		
59.	10/12/2020	01:30 to 02:30	Revision on Unit-V		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. S. S. Dandge Subject Code: 5KS03 Section: C

Subject Name: SS Semester: V Year: Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	17th Aug 2020	10 to 11	UNIT-I Introduction of Compiler , Phases of compiler		
2	18th Aug 2020	12:30 to 1:30	Problems on Phases of compiler		
3	20th Aug 2020	11 to 12	Syntax tree of For loop,do while , if-else,block		
4	24th Aug 2020	10 to 11	Problems on For loop,if-else,block statement		
5	25th Aug 2020	12:30 to 1:30	specification of tokens, Recognition of tokens,lex and yacc tools		
6	27th Aug 2020	11 to 12	definition of lexeme token and pattern , Issues of lexical analyzer		
7	31st Aug 2020	10 to 11	input buffering techniques (Single and double)		
8	2nd Sep 2020	1:30 to 2:30	Minimization of Finite automata		
9	3rd Sep 2020	11 to 12	UNIT-II Syntax analysis , The role of parser, definition of grammar with example (RG & CFG)		
10	7th Sep 2020	10 to 11	Derivation Tree (LMD, RMD), Ambiguous grammar		
11	8th Sep 2020	12:30 to 1:30	Definition of Top down parser with example		
12	9th Sep 2020	1:30 to 2:30	Elimination of left Recursion with example		
13	10th Sep 2020	11 to 12	Elimination of Left Factoring with example		
14	14th Sep 2020	10 to 11	Rule of FIRST () and FOLLOW() with example		
15	15th Sep 2020	12:30 to 1:30	Construction of Predictive parsing table ,LL(1)		
16	16th Sep 2020	1:30 to 2:30	Verification of the string		
17	21st Sep 2020	11 to 12	Practice Problem on LL(1)		
18	22nd Sep 2020	10 to 11	Predictive Parser by using Transition Diagram		
19	23rd Sep 2020	12:30 to 1:30	Error Recovery in Predictive Parser		
20	24th Sep 2020	1:30 to 2:30	Unit-III Bottom up parsing: Handle pruning		
21	28th Sep 2020	10 to 11	Stack implementation of Shift Reduce Parsing		
22	29th Sep 2020	9:00 to 10:00	Construct LR(0) Items		
23	1st Oct 2020	10 to 11	Construct SLR Parsing Table, Verification of the string		
24	1st Oct 2020	11 to 12	Problems on LR(0) -SLR		
25	7th Oct 2020	1:30 to 2:30	SR & RR Conflict in LR(0)		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	8th Oct 2020	10 to 11	LR (1) Items		
27	8th Oct 2020	11 to 12	Construct CLR Parsing table , verification of the string		
28	12th Oct 2020	10 to 11	LALR (1) Items		
29	13th Oct 2020	12:30 to 1:30	Construct LALR Parsing Table, Verification of the string		
30	14th Oct 2020	1:30 to 2:30	SR & RR Conflict in LR(1)		
31	15th Oct 2020	11 to 12	Error recovery in LR parsing		
32	19th Oct 2020	10 to 11	Unit-IV Syntax Directed Translation: Syntax directed definitions, attributes		
33	20th Oct 2020	12:30 to 1:30	S-attribute :Syntax directed definition with Eg.		
34	21st Oct 2020	1:30 to 2:30	Syntax directed definition for constructing syntax trees with Example		
35	22nd Oct 2020	11 to 12	Directed acyclic graphs for expressions with Eg.		
36	3rd Nov 2020	12:30 to 1:30	Bottom up evaluation of s-attributed definitions		
37	4th Nov 2020	1:30 to 2:30	L-attributed definition with example		
38	5th Nov 2020	11 to 12	Top down translation, Design of a predictive translator		
39	23rd Nov 2020	10 to 11	Unit-V Run Time Environments: Source language issues: Activation trees with Example		
40	24th Nov 2020	12:30 to 1:30	control stacks, storage organization, subdivision of run time memory,Storage allocation strategies, static allocation, stack allocation		
41	25th Nov 2020	1:30 to 2:30	activation records, Caller and Callee responsibility		
42	26th Nov 2020	11 to 12	Dangling references with exampleSymbol table: Entries, Storage allocation, Hash tables		
43	7th Dec 2020	10 to 11	Unit-VI Code Generation: Intermediate Code Gen of Assignment statement		
44	8th Dec 2020	12:30 to 1:30	Implementation of 3-Add. statement quadruples, triple and indirect triple with examples		
45	9th Dec 2020	1:30 to 2:30	Design issues of a Code generator,Target machine, Runtime storage management		
46	10th Dec 2020	11 to 12	Basic blocks and flow graphs		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. R. R. Karwa Subject Code: 5KS04 Section: C

Subject Name: STLD Semester: V Year: Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	17-08-20	12.30-1.30	Unit 1 & 2: Introduction to VHDL: Fundamentals		
2	18-08-20	11-12	Elements of VHDL: Identifier, Data Object		
3	20-08-20	12.30-1.30	Elements of VHDL: Data Types		
4	21-08-20	2.00-3.00	Elements of VHDL: Operators, Building Blocks: Library, Entity		
5	24-08-20	12.30-1.30	Building Block: Dataflow, Behavior		
6	25-08-20	11-12	Building Block: Behavior, Structural		
7	27-08-20	12.30-1.30	Dataflow Architecture Examples		
8	28-08-20	2.00-3.00	Behaviour Architecture Examples		
9	31-08-20	12.30-1.30	Structural Architecture Examples		
10	02-09-20	10-11	Unit 3: K-map (Basics)		
11	03-09-20	12.30-11.30	K-map (Numericals-PI,EPI,RPI)		
12	04-09-20	2.00-3.00	Quine Mccluskey Method(Steps)		
13	07-09-20	12.30-1.30	Quine Mccluskey Method(Minterm,Don't care)		
14	08-09-20	11-12	Quine Mccluskey Method(Maxterm, Dont care)		
15	09-09-20	10-11	Degenerate and Non-Degenerate Form		
16	10-09-20	12.30-1.30	Degenerate and Non-Degenerate Form		
17	11-09-20	2-3	Non Degenerate Forms		
18	14-09-20	12.30-1.30	Numerical based on Two level form		
19	15-09-20	11-12	Numerical based on Realization of Expression using Universal Gate		
20	16-09-20	10-11	Revision on basics of K-map		
21	18-09-20	2-3	Revision on VHDL		
22	21-09-20	12.30-1.30	Unit 4: Combinational Circuit: Introduction, Adder Basics		
23	22-09-20	11-12	Combinational Circuit: HA,FA using NAND & NOR		
24	23-09-20	10-11	Combinational Circuit: HS,FS using NAND & NOR		
25	24-09-20	12.30-1.30	Binary Adder, Binary Subtractor, Binary Adder-Subtractor		

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
26	25-09-20	2-3	Look Ahead Carry Adder		
27	28-09-20	12.30-1.30	2's complement add and subtract using parallel adder		
28	29-09-20	11-12	Adder VHDL Code		
29	30-09-20	10-11	Subtractor VHDL Code		
30	01-10-20	12.30-1.30	Unit 5: Binary Coded Decimal (Code), BCD Addition		
31	05-10-20	10-11(Time changed)	BCD Adder Circuit		
32	06-10-20	11-12	Introduction to EX-3 Code		
33	07-10-20	10-11	EX-3 Adder with Examples		
34	08-10-20	12.30-1.30	EX-3 Subtractor with Examples		
35	12-10-20	12.30-1.30	Code Converter- Binary to Gray		
36	13-10-20	11-12	Code Converter- Gray to Binary		
37	14-10-20	11-12 (Time changed)	Code Converter- Binary to BCD, BCD to EX-3		
38	15-10-20	12.30-1.30	Code Converter:to identify decimal numbers in 4 bit gray code		
39	16-10-20	2-3	Code Converters : XS-3 Code, 2's complement		
40	19-10-20	12.30-1.30	Code Converter-Seven Segment, Adjacent 1's		
41	20-10-20	11-12	Multiplexers		
42	21-10-20	10-11	Multiplexers Numericals		
43	22-10-20	12.30-1.30	Demultiplexer		
44	23-10-20	2-3	Decoder and numericals		
45	03-11-20	11-12	Encoder		
46	04-11-20	10-11	Parity Bit Generator and Checker		
47	05-11-20	12.30-1.30	Comparator		
48	06-11-20	2-3	Unit 6: Sequential Circuit- Introduction, Flipflop		
49	23-11-20	12.30-1.30	Flipflop, Conversion of FF		
50	24-11-20	11-12	Conversion of FF, basics of counter		
51	25-11-20	10-11	Asynchronous counter		
52	26-11-20	12.30-1.30	Synchronous Counter		
53	27-11-20	2-3	Examples of Synchronous Counter		
54	02-12-20	10-11	Finite State Machine- Introduction and Moore		
55	03-12-20	12.30-1.30	Finite State Machine- Mealy		
56	04-12-20	2-3	Sequential Circuit Gate Questions		
57	07-12-20	12.30-1.30	Shift Registers		
58	09-12-20	10-11	Practical based on Comparator		
59	10-12-20	10-11	Concluding remark on syllabus of STLD and Practical based on Code Converter		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: Prof.P.P.Kadu

Subject Code: 5FEKS05

Section: A

Subject Name: DCN

Semester: V

Year: Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	21/08/20	03:00 To 04:00	Introduction to DC ,characteristics of DC,Components of DC,Network Criteria		
2	28/8/20	03:00 To 04:00	Topologies(Mesh,Star,Bus,Tree,Ring)		
3	29/8/20	11 To 12	Topology(Bus, Ring, Hybrid), Transmission Mode		
4	29/8/20	12 To 1	Network Categories, Signal:Analog and Digital		
5	4/9/20	3 To 4	Characteristics of analog signal, Composite Signal,Frequency spectrum and Bandwidth, Digital signal, Decomposition of digital signal		
6	5/9/20	11 To 12	Protocols and standards,Periodic Signals,Time Domain		
7	5/9/20	12 To 1	Non-Periodic Signals,Line Configuration,Frequency Domain Signals		
8	11/9/20	3 To 4	Unit 2: Encoding, Modulation, Conversion methods		
9	12/9/20	11 To 12	Unipolar, NRZ-L, NRZ-I digital to digital encoding		
10	12/9/20	12 To 1	RZ encoding, Manchester and differential Manchester Encoding		
11	18/9/20	3 To 4	Bipolar Encoding,Analog to digital conversion, Bit rate, Baud Rate, Nyquist Theorem		
12	19/9/20	11 To 12	Digital to analog conversion(ASK,FSK,PSK,QAM)		
13	19/9/20	12 To 1	Analog to analog Conversion,Guided Media		
14	25/9/20	3 To 4	Unguided Media,DTE-DCE interface,		
15	26/9/20	11 To 12	Modem,Transmission Impairment.		
16	26/9/20	12 To 1	Unit 3: Multiplexing (FDM,WDM,TDM)		
17	03/10/20	11 To 12	Multiplexing (FDM,WDM,TDM)		
18	03/10/20	12 To 1	Inverse Multiplexing, Carrier services, Types of Errors		
19	09/10/20	11 To 12	Error detection technique (VRC,LRC)		
20	10/10/20	11 To 12	CRC, Checksum		
21	10/10/20	12 To 1	Error Correction, Hamming code		
22	16/10/20	3 To 4	Unit 4: Data Link Layer: Line Discipline (ENQ/ACK,POLL/SELECT)		
23	17/10/20	11 To 12	Flow control(Stop and Wait, Sliding Window)		
24	17/10/20	12 To 1	Error control(Stop-wait ARQ, Go-back-n ARQ, Selective reject ARQ)		
25	23/10/20	3 To 4	Data Link Protocol (Asynchronous Protocol)		

Prof. Ram Meghe Institute of Technology & Research Badnera
Department of Computer Science & Engineering
(Odd Semester 2020-2021)

Execution Plan

Name of Faculty: Prof. Ms. M. A. Deshmukh Subject Code: 5FEKS05

Section: B

Subject Name: DCN

Semester: V

Year: Third Year

Sr. No	Date	Time	Topics Covered	Sign. of Faculty	Sign. of HOD
1	21/08/2020	3-4 pm	Unit 1: Introduction to DCN, effectiveness of data communication		
2	28/08	3-4pm	components of DC,distributed processing		
3	29/08	11am-1pm	Network criteria,protocols & standards,line config.		
4	04/09	3-4pm	Topology		
5	05/09	11am-1pm	Transmission mode, analog and digital signals, periodic and aperiodic signals, analog signals		
6	11/9	3-4pm	time and frequency domains, composite signals, digital signals.		
7	12/9	11am-1pm	Unit 2: Encoding and modulating: digital –to- digital conversion, analog-to-digital conversion,		
8	19/9	11am-1pm	digital to analog conversion, analog to analog conversion,		
9	25/9	3-4pm	digital data transmission, DTEDCE		
10	26/9	11am-1pm	transmission media:guided media, unguided media, transmission impairment		
11	3/10	11am-1pm	.Unit 3: Multiplexing: Many to one/ one to many, frequency division, multiplexing, wave division multiplexing, TDM,		
12	9/10	3-4pm	multiplexing, applications: the telephone system ,		
13	10/10	11am-1pm	Error detection and correction : types of errors, detection , cyclic redundancy check, checksum, error correction.		
14	17/10	11am-1pm	Unit 4: Data link Control: Line Discipline, flow control, error control		
15	23/10	3-4pm	Data link Protocols: Asynchronous Protocols, synchronous protocols		
16	24/10	11am-1pm	character oriented protocols, bit - oriented protocols. Unit 6: Networking and Internetworking Devices: Repeaters, Bridges,		
17	6/11	3-4pm	Routers, Gateways. Transport Layer: Functions of transport layer, connection, the OSI transport protocol,		
18	7/11	11am-1pm	upper OSI Layer: Session layer, presentation layer, Application Layer		
19	27-11	3-4pm	.Unit 5: Local Area Networks: Ethernet, other Ethernet networks,		
20	4/12	3-4pm	token bus, token ring, FDDI, MAN: IEEE802.6 (DQDB) SMDS,		
21	5/12	11am-1pm	Switching: circuit switching, packet switching, message switching.		

Subject :- SS(EE(41105)

Sem:- IV

Name Of Subject Teacher :- Prof. A. G. Mahalle

Section :- A / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
01	03/02/21	Vision and Mission of Institute & dept. POs, PEOs and PSO's, COs and CLOs, Syllabus	<u>As.</u>	
02	05/02/21	UNIT I : Basics of social science	<u>As.</u>	
03	10/02/21	Importance of study of social science to Engineer	<u>As.</u>	
04	12/02/21	Constitution of India	<u>As.</u>	
05	13/02/21	Salient features of Indian Constitution	<u>As.</u>	
06	15/02/21	Fundamental Rights	<u>As.</u>	
07	17/02/21	Fundamental Duties	<u>As.</u>	
08	20/02/21	Directive principles of state policy	<u>As.</u>	
09	22/02/21	Difference between fundamental rights & DPSP	<u>As.</u>	*
		UNIT II :		
10	24/02/21	Indian parliament & its composition	<u>As.</u>	
11	26/02/21	Powers of Indian parliament	<u>As.</u>	
12	27/02/21	President of India	<u>As.</u>	
13	01/03/21	Powers of the President	<u>As.</u>	
14	03/03/21	Prime Minister: Powers & Functions	<u>As.</u>	
15	05/03/21	Council of Ministers	<u>As.</u>	
16	10/03/21	Difference between Cabinet & Council of Ministers	<u>As.</u>	*
		UNIT III :		
17	12/03/21	Culture and its characteristics	<u>As.</u>	
18	13/03/21	Civilization & its characteristics	<u>As.</u>	
19	15/03/21	Impact of Science & Technology on culture & civilization	<u>As.</u>	
20	17/03/21	Society and its characteristics	<u>As.</u>	
21	19/03/21	Community & its characteristics	<u>As.</u>	
22	20/03/21	Groups & types of groups	<u>As.</u>	
23	22/03/21	Marriage: Functions, types & problems	<u>As.</u>	
24	26/03/21	Family: Functions, types & problems	<u>As.</u>	*

No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
		<u>UNIT IV</u>		
27	27/04/21	Meaning of Production	Ac	
28	28/04/21	Factors of production (Land & Labour)	Ac	
29	29/04/21	Capital Organization	Ac	
30	30/04/21	Factors of Returns	Ac	
31	01/05/21	Forms of business organization: Individual Enterprise	Ac	
32	02/05/21	Partnership, Joint stock company	Ac	
33	03/05/21	Comparison of joint stock comp. and partnership	Ac	
34	04/05/21	Co-operative organization & Public Enterprise	Ac	✓
		<u>UNIT V</u>		
35	12/04/21	Banking and its types	Ac	
36	19/04/21	Functions of Central Banks	Ac	
37	21/04/21	Functions of Commercial Banks	Ac	
38	23/04/21	Comparison between Central & Commercial bank	Ac	
39	24/04/21	Introduction to GST	Ac	
40	24/05/21	Market forms: Perfect competition	Ac	
41	28/05/21	Imperfect competition: Monopoly	Ac	✓
		<u>UNIT VI</u>		
42	29/05/21	Definitions of Economics	Ac	
43	31/05/21	Nature and scope of Economics	Ac	
44	02/06/21	Special significance of Economics to Engineers	Ac	
45	04/06/21	Economics of Development	Ac	
46	05/06/21	Characteristics of Under-development	Ac	
47	08/06/21	Obstacles to Economic growth	Ac	
48	09/06/21	Vicious circle of poverty	Ac	✓

Head

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

Execution Plan
(2020-2021) SUMMER-2021

Subject :- SS&EE (4ITDS)

Sem: IV

Name Of Subject Teacher :- Prof. A. G. Mahalle

Section :- X / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
01	01/02/21	Vision & Mission of Institute and department POs, PEOs & PSOs, COs & CLOs, Syllabus	<u>Am</u>	
02	03/02/21	<u>UNIT I : Basis of social science</u>	<u>Am</u>	
03	09/02/21	Importance of study of social sciences to Engineers	<u>Am</u>	
04	10/02/21	Constitution of India	<u>Am</u>	
05	13/02/21	Salient features of Indian Constitution	<u>Am</u>	
06	15/02/21	Fundamental Rights	<u>Am</u>	
07	16/02/21	Fundamental Duties	<u>Am</u>	
08	17/02/21	Directive principles of state Policy (DPSP)	<u>Am</u>	
09	22/02/21	<u>Difference between fundamental rights & DPSP</u>	<u>Am</u>	<u>Am</u>
		<u>UNIT II :</u>		
10	23/02/21	Indian Parliament & its composition	<u>Am</u>	
11	24/02/21	Powers of Indian Parliament	<u>Am</u>	
12	27/02/21	President of India	<u>Am</u>	
13	01/03/21	Powers of the President	<u>Am</u>	
14	02/03/21	Prime Ministers: Powers & Functions	<u>Am</u>	
15	03/03/21	Council of Ministers	<u>Am</u>	
16	09/03/21	<u>Difference between cabinet & council of ministers</u>	<u>Am</u>	<u>Am</u>
		<u>UNIT III :</u>		
17	10/03/21	Culture and its characteristics	<u>Am</u>	
18	13/03/21	Civilization and its characteristics	<u>Am</u>	
19	15/03/21	Impact of Science & Technology on Culture & Civilization	<u>Am</u>	
20	17/03/21	Society and its characteristics	<u>Am</u>	
21	20/03/21	Groups & types of groups	<u>Am</u>	
22	22/03/21	Community and its characteristics	<u>Am</u>	
23	23/03/21	Marriage: Functions, types & problems	<u>Am</u>	<u>Am</u>

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
24	24/03/21	Family: Functions, types and problems	<u>Ch.</u>	
		<u>UNIT IV:</u>		
25	27/03/21	Meaning of production	<u>Ch.</u>	
26	31/03/21	Factors of production: Land, Labour	<u>Ch.</u>	
27	03/04/21	Capital, organization	<u>Ch.</u>	
28	05/04/21	Laws of Returns	<u>Ch.</u>	
29	06/04/21	Forms of Business Organization: Individual Enterprise	<u>Ch.</u>	
30	07/04/21	Partnership, Joint stock Company	<u>Ch.</u>	
31	10/04/21	Comparison between partnership & joint stock comp	<u>Ch.</u>	
32	12/04/21	Cooperative organization & public enterprise	<u>Ch.</u>	<u>Ch.</u>
		<u>UNIT V:</u>		
33	17/04/21	Banking and its types	<u>Ch.</u>	
34	19/04/21	Functions of Central Banks	<u>Ch.</u>	
35	20/04/21	Functions of Commercial Banks	<u>Ch.</u>	
36	21/04/21	Comparison between Central & commercial Bank	<u>Ch.</u>	
37	24/04/21	Introduction to GST	<u>Ch.</u>	
38	25/05/21	Market forms: Perfect competition	<u>Ch.</u>	
39	29/05/21	Imperfect competition: Monopoly	<u>Ch.</u>	<u>Ch.</u>
		<u>UNIT VI:</u>		
40	31/05/21	Definitions of Economics	<u>Ch.</u>	
41	31/05/21	Nature & scope of economics	<u>Ch.</u>	
42	01/06/21	Special significance of Economics to Engineers	<u>Ch.</u>	
43	02/06/21	Economics of development	<u>Ch.</u>	
44	05/06/21	Characteristics of development (under)	<u>Ch.</u>	
45	08/06/21	Obstacles to economic growth	<u>Ch.</u>	
46	09/06/21	Vicious circle of poverty	<u>Ch.</u>	<u>Ch.</u>

Ch.
Head

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

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

Execution Plan
(2020-2021) S-2)

Subject :- Web Commerce

Sem:-

Name Of Subject Teacher :- Dr. A.S. Alvi

Section :- A / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD	
I	01	18.01.21	Basic web Commerce Concepts	<i>[Signature]</i>	
	02	19.01.21	web Commerce Applications	<i>[Signature]</i>	
	03	20.01.21	Electronic Commerce Environments	<i>[Signature]</i>	
	04	21.01.21	Electronic marketplace technologies	<i>[Signature]</i>	
	05	22.01.21	EDI	<i>[Signature]</i>	
	06	25.01.21	Electronic commerce with internet	<i>[Signature]</i>	<i>[Signature]</i>
	07	27.01.21	Approach to Safe-E-commerce.	<i>[Signature]</i>	
	08	28.01.21	Secure transport protocol of transaction	<i>[Signature]</i>	
II	09	29.01.21	SEPP	<i>[Signature]</i>	
	10	01.02.21	SET	<i>[Signature]</i>	
	11	02.02.21	Certificate for authentication	<i>[Signature]</i>	
	12	03.02.21	Security on web Server & Enterprise view	<i>[Signature]</i>	<i>[Signature]</i>
	13	04.2.21	Electronic Cash & Electronic Payment	<i>[Signature]</i>	
	14	05.2.21	Internet monetary payment & Security req.	<i>[Signature]</i>	
	15	08.2.21	continue . . .	<i>[Signature]</i>	
III	16	15.2.21	Payment & Purchase order Process: A.H. Req.	<i>[Signature]</i>	
	17	16.2.21	Merchant Registration	<i>[Signature]</i>	
	18	17.2.21	Account Holder ordering	<i>[Signature]</i>	
	19	18.2.21	online Electronic cash	<i>[Signature]</i>	
	20	21.2.21	Electronic Payment Schemes	<i>[Signature]</i>	<i>[Signature]</i>
	21	25.2.21	needs for computer Security.	<i>[Signature]</i>	
	22	26.2.21	Security Strategies	<i>[Signature]</i>	
	23	01.3.21	Encryption	<i>[Signature]</i>	
IV	24	02.3.21	Master / Visa Secure Electronic Transaction	<i>[Signature]</i>	
	25	03.3.21	Requirements	<i>[Signature]</i>	
	26	05.3.21	Payment Processing Concepts	<i>[Signature]</i>	
	27	08.3.21	Payment Processing: Cardholder Reg	<i>[Signature]</i>	

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
29	09.3.21	Payment Processing Merchant-Req	<i>[Signature]</i>	
29	10.3.21	PP : Purchase Request	<i>[Signature]</i>	
30	12.3.21	PP - Payment authorization & Capture	<i>[Signature]</i>	<i>[Signature]</i>
31	12.4.21	Secure E-mail Technologies	<i>[Signature]</i>	
32	15.4.21	Means of distribution, Models of message handling	<i>[Signature]</i>	
33	16.4.21	How does E-mail works	<i>[Signature]</i>	
34	18.4.21	MIME	<i>[Signature]</i>	
35	20.4.21	S/MIME, MGSS	<i>[Signature]</i>	
36	22.4.21	MIME & Related facilities for EDI	<i>[Signature]</i>	<i>[Signature]</i>
37	23.4.21	Internet Resources for Commerce	<i>[Signature]</i>	
38	28.4.21	Web Server Technologies	<i>[Signature]</i>	
39	29.4.21	Internet tools Relevant to Commerce	<i>[Signature]</i>	
40	30.4.21	Internet applications for commerce	<i>[Signature]</i>	
41	03.5.21	Internet access & architecture	<i>[Signature]</i>	
42	04.5.21	Internet Searching	<i>[Signature]</i>	
43	05.5.21	Internet Searching cont...	<i>[Signature]</i>	<i>[Signature]</i>
44	06.5.21	Revision of unit I	<i>[Signature]</i>	
45	11.5.21	Revision of unit - II	<i>[Signature]</i>	
46	12.5.21	Revision of unit - III	<i>[Signature]</i>	<i>[Signature]</i>

[Signature]

Head

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

Execution Plan

(2020-2021)

Subject :- Computer Organization & Architecture

Sem:- IV

Name Of Subject Teacher :- Prof A W Bhangare

Section :- A / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
1	2/2/21	Introduction to basic structure of Comp	*	
2	3/2/21	Basic structure of Computer	*	
3	4/2/21	Concept of Program Sequencing	*	
4	5/2/21	Concept of memory locations & Address	*	
5	9/2/21	Main memory operation	*	
6	10/2/21	Instructions & instruction sequencing	*	
7	11/2/21	Addressing modes	*	
8	12/2/21	Addressing modes with examples	*	
9	13/2/21	Basic I/O operations	*	
10	16/2/21	Queues & Subroutines	*	
11	17/2/21	Introduction to processing	*	
12	18/2/21	Fundamentals of processing	*	
13	20/2/21	Execution of complete instruction	*	
14	23/2/21	Performance Consideration	*	
15	24/2/21	Introduction to microinstructions	*	
16	25/2/21	Microinstructions, microprogram seq.	*	
17	27/2/21	Microinstruction prefetching	*	
18	2/3/21	Introduction to I/O Organization	*	
19	3/3/21	Accessing I/O devices	*	
20	4/3/21	Introduction & Study of interrupts	*	
21	6/3/21	Direct Memory Access	*	
22	9/3/21	I/O hardware introduction	*	
23	10/3/21	Processor bus & interfacing circuits	*	
24	13/3/21	std. I/O interfaces fundamentals	*	
25	15/3/21	SCSI Bus in detail	*	
26	17/3/21	backplane bus standard	*	
27	18/3/21	PCI Bus & Revision	*	

	Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
Unit IV	28.	20/3/21	Memory Unit: basic concepts	*	
	29.	23/3/21	Semiconductor RAM memories	*	
	30.	24/3/21	Internal org. of memory	*	
	31.	25/3/21	Internal structure of static & Dynamic memory	*	
	32.	27/3/21	Detail design structure with ex.	*	
	33.	30/3/21	Static RAMs & its use	*	
	34.	31/3/21	Dynamic RAMs & its use	*	
	35.	1/4/21	RAMs & its types	*	
	36.	3/4/21	Diff. between ROM types	*	
	37.	6/4/21	Speed, Size & Cost consideration	*	
Unit V	38.	7/4/21	Revision of Unit IV	*	
	39.	8/4/21	Cachememories: introduction	*	
	40.	10/4/21	Cache memory performance Consider.	*	
	41.	15/4/21	Virtual memories introduction	*	
	42.	17/4/21	Address translation in virtual memory.	*	
	43.	20/4/21	Multiprocessor introduction	*	
	44.	21/4/21	Use of multiprocessors	*	
	45.	22/4/21	Symmetric multiprocessor	*	
	46.	24/4/21	Clusters & its use	*	
	47.	28/4/21	Revision of Unit V	*	
Unit VI	48.	25/5/21	Arithmetic number representation	*	
	49.	27/5/21	Design of fast Adders	*	
	50.	29/5/21	Signed Addition & Subtraction	*	
	51.	1/6/21	Multiplication of positive no., seq. multiplication, fast multiplication	*	
	52.	2/6/21	Booth's Algorithm for multiplication	*	
	53.	3/6/21	Integer division, Restoring & non-restoring division	*	

Execution Plan
 (2020-2021) S-21

Subject :- POM

Name Of Subject Teacher :- H.D.Kale

Sem:- VI ✓
 Section :- A / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
1	18/1/21	Introduction : Definition & Concept of management	M	
2	19/1/21	Importance of management	M	
3	20/1/21	Various management functions	M	
4	24/1/21	Control, responsibilities	M	
5	23/1/21	Human resource planning	M	
6	25/1/21	Decision-making	M	
7	5/2/21	Trade union	M	
8	6/2/21	Collective bargaining	M	
9	12/2/21	Organizational planning	M	
10	15/2/21	Design & development		
		Introduction	M	
11	16/2/21	Design & development	M	
12	17/2/21	Production resources	M	
13	26/2/21	Production planning	M	
14	27/2/21	Types of production system	M	
15	1/3/21	Production system	M	
16	2/3/21	Production control	M	
17	4/3/21	Production design & development - Intro	M	
	8/3/21		M	
18	5/3/21	Production design & development	M	
			M	
19	8/3/21	Design of product	M	
20	9/3/21	Design of product & types	M	
21	10/3/21	New product development	M	
22	12/3/21	New product development types	M	

Unit I

Unit II

Unit III

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD	
23	13/3/24	Material planning & control	MS		Unit III
24	14/3/24	Material planning & control (Conti)	MS	MS	
25	30/7/24	Maintenance & system reliability	MS		Unit IV
26	4/5/24	Concepts & objectives of maintenance	MS		
27	5/5/24	Failure analysis	MS		
28	7/5/24	Reliability maintenance	MS		
29	8/5/24	Classification	MS		
30	10/5/24	Maintenance planning	MS		
31	11/5/24	GM ISO 9000	MS		
32	12/5/24	Quality Audit	MS	MS	
33	15/5/24	Marketing Management	MS		
34	17/5/24	Consumer behaviour	MS		
35	18/5/24	Product management	MS		Unit V
36	21/5/24	Pricing & promotion decision	MS		
37	24/5/24	Financial planning	MS		
38	25/5/24	Source of finance	MS		
39	28/5/24	Source of finance & types	MS	MS	
40	29/5/24	Project management	MS		
41	31/5/24	Concept & importance of project	MS		
42	1/6/24	Project implementation	MS		
43	2/6/24	MIS meaning & objectives	MS		
44	3/6/24	Types of data, methods of data collection	MS		
45	7/6/24	Analysis & presentation of data	MS		
46	8/6/24	Editing, reporting & presentation of data	MS	MS	
47	9/6/24	Decision options	MS	MS	

Subject :- POM

Name Of Subject Teacher :- H. D. Kale

Sem:- VI
Section :- A/B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
1	18/1/21	Introduction : Definition & concept of management	MF	
2	19/1/21	Importance of management	MF	
3	20/1/21	Various management functions	MF	
4	22/1/21	Control, responsibilities	MF	
5	23/1/21	Human resource planning	MF	
6	25/1/21	Decision-making	MF	
7	27/1/21	Trade unions	MF	
8	5/2/21	Collective Bargaining	MF	MF
9	6/2/21	Organization planning	MF	
10	12/2/21	Design & Development - Intro	MF	
11	15/2/21	Design & Development	MF	
12	16/2/21	Production resources	MF	
13	17/2/21	Production planning	MF	
14	24/2/21	Types of production system	MF	
15	26/2/21	Production systems	MF	
16	27/2/21	Production control	MF	MF
17	1/3/21	Production design & development - Introduction	MF	
18	2/3/21	Production design & development	MF	
19	4/3/21	Design of the product	MF	
20	5/3/21	Design of the product & types	MF	
21	6/3/21	New product development	MF	
22	8/3/21	New product development types.	MF	
23	9/3/21	Material planning & control	MF	
24	10/3/21	Material planning control (contd)	MF	MF

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
25	12/3/21	Maintenance & system reliability	✓	
26	13/3/21	Concepts & Objectives of maintenance	✓	
27	12/4/21	Failure analysis	✓	
28	30/4/21	Reliability Maintenance	✓	
29	3/5/21	Reliability Maintenance system & classification	✓	
30	4/5/21	Maintenance planning	✓	
31	5/5/21	TQM ISO 9000	✓	
32	7/5/21	Quality Audit	✓	✓
33	8/5/21	Marketing management - Intro	✓	
34	10/5/21	Marketing management (contd)	✓	
35	11/5/21	Consumer behaviour	✓	
36	12/5/21	Product management	✓	
37	15/5/21	Pricing & promotion decision	✓	
38	17/5/21	Financial planning	✓	
39	18/5/21	Source of finance	✓	
40	21/5/21	Source of finance & types	✓	✓
41	22/5/21	Project Management	✓	
42	24/5/21	Concepts & importance of project	✓	
43	25/5/21	Project implementation	✓	
44	28/5/21	MIS meaning & objectives	✓	
45	29/5/21	Types of data, methods of data collection	✓	
46	31/5/21	Analysis and presentation of data	✓	
47	1/6/21	Editing, reporting and presentation of data	✓	
48	2/6/21	Decision options	✓	✓

Unit II

Unit III

Unit VI

Subject :- Cloud Computing

Sem:- 2nd

Name Of Subject Teacher :- Prof. A.S. Bhand

Section :- A / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
1	18/01/21	Victim Allegation of Institution and Department PEO, PO, PBO	#	
2	19/01/21	Introduction to Cloud Computing	#	
3	20/01/21	The SPI Framework for Cloud Computing	#	
4	21/01/21	Relevant Technologies in Cloud Computing	#	
5	22/01/21	The Cloud Service Delivery Model	#	
6	25/01/21	Cloud Deployment Models	#	
7	27/01/21	Key Drivers to Adopting the Cloud	#	
8	28/01/21	The Impact of Cloud Computing on User	#	
9	29/01/21	Barriers to Cloud Computing Adoption in Enterprise	#	#
10	1/2/21	Unit 2:- Introduction to Infrastructure Security	#	
11	2/2/21	The Network level: Ensuring Data Confidentiality & Integrity	#	
12	3/2/21	Ensuring Proper Access Control	#	
13	4/2/21	The Host level: SaaS & PaaS Host Security	#	
14	5/2/21	IaaS Host Security	#	
15	8/2/21	Virtual Server Security	#	
16	9/2/21	The Application level	#	
17	10/2/21	SaaS Application Security	#	
18	11/2/21	PaaS Application Security	#	
19	12/2/21	IaaS Application Security	#	
20	15/2/21	Data Security & Storage: Provider Data Security	#	#
21	16/2/21	Unit-3: Need of IAM	#	
22	17/2/21	IAM Challenge & Solution	#	
23	18/2/21	IAM Architecture & Practices	#	
24	22/2/21	Security Management in the Cloud	#	
25	23/2/21	Availability Management	#	
26	24/2/21	SecaaS	#	

Sr. No.	Date	Topics to be Covered	Faculty	HOD
27	25/2/22	Roads	*	
28	26/2/22	Issues Availability Management	*	
29	04/3/22	Access Control	*	YH
30	02/3/22	Critical: Key Privacy Concerns include	*	
31	28/3/22	Changes to Privacy	*	
32	28/3/22	Risk Management	*	
33	5/3/22	Compliance in Relation to Cloud Computing	*	
34	12/3/22	Legal & Regulatory Implications	*	
35	18/3/22	International Laws & Regulations	*	YH
36	15/3/22	Unit 5:- Internal Policy Compliance	*	
37	16/3/22	Governance, Risk & Compliance	*	
38	17/3/22	Illustrative Control Objective for Cloud Computing	*	
39	18/3/22	Incremental CSP-Specific Control Objective	*	
40	19/3/22	Additional Key Management Control Objectives	*	
41	22/3/22	Control Considerations for CSP Users.	*	
42	23/3/22	Regulatory / External Compliance	*	YH
43	24/3/22	Crit 6:- The impact of Cloud Computing on the Role of Corporate IT	*	
44	25/3/22	Why Cloud Computing will be Popular with Business units	*	
45	26/3/22	Potential Threats of Using CSPs.	*	
46	29/3/22	A Case Study Illustrating Potential Changes in the IT profession caused by Cloud Computing	*	
47	31/3/22	Governance Factors to Consider When Using Cloud Computing	*	YH

Head

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

Execution Plan
 (2020-2021)

Subject :- Theory of computation
 Name Of Subject Teacher :- N.V. Kulkarni

Sem:- VIth
 Section :- A / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
1	28.12.20	Alphabet, Language, operations		
2	2.1.21	Finite state Machine Model		
3	3.1.21	Acceptance of strings & languages		
4	4.1.21	Non deterministic finite Automata		
5	5.1.21	Problems		
6	9.1.21	Equi Problem on FA		
7	10.1.21	Problems on LFA		
8	11.1.21	Conversion of NFA to DFA		
9	12.1.21	Problems		
10	16.1.21	Minimization of FSM		
11	17.1.21	Problems		
12	18.1.21	Equivalence between FSMs		
13	19.1.21	Moore Machine		
14	23.1.21	Mealy Machines		
15	24.1.21	Conversion problems		
16	25.1.21	Problems		
17	26.1.21	Regular sets, Exprs, Regular sets		
18	30.1.21	Manipulation of RE		
19	31.1.21	Problems		
20	1.2.21	Equivalence between RE & FA		
21	2.2.21	Equivalence problems		
22	6.2.21	Inter conversion		
23	7.2.21	Pumping Lemma		
24	8.2.21	Problems PM		
25	9.2.21	closure properties		
26	13.2.21	Regular examples		
27	14.2.21	problems		

Unit: I

Unit: II

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD	
28	15.2.21	Equivalence between RL & FA			
29	16.2.21	Inter conversion between RE & REG			
Unit: III	30	20.2.21	Context Free Grammars		
31	21.2.21	Derivation Tree			
32	22.2.21	Problems			
33	23.2.21	CNF			
34	27.2.21	GNF			
35	28.2.21	PDA Problems			
36	29.2.21	Problems			
37	30.2.21	Problems			
38	4.3.21	CFL Model			
39	5.3.21	Problems			
40	6.3.21	Equivalence of CFL & PDA			
41	7.3.21	Interconversion			
42	11.3.21	Enumeration properties of CFL			
Unit: IV	43	12.3.21	Turing Machine Design		
44	13.3.21	Computation functions			
45	14.3.21	Recursive Enumerable Language			
46	18.3.21	Church's Hypothesis, counter			
47	19.3.21	Types of TM			
48	20.3.21	Problems			
Unit: V	49	21.3.21	Chomsky Hierarchy of Language		
50	25.3.21	LBA			
51	26.3.21	CSL			
52	27.3.21	Introduction to DCFL & DPDA			
53	28.3.21	LR(0)			
54	2.4.21	Problems			
Unit: VI	55	3.4.21	Properties of Recursive & Non-R language		
56	4.4.21	Universal TM			
57	5.4.21	PCP			
58	8.4.21	PCP			
59	9.4.21	Ackerman's function			
60	10.4.21	Problems on Ackerman's function			

Head

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

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

Execution Plan
(2020-2021) S-21

Subject:- Data Structure

Sem:- IV

Name Of Subject Teacher:- Dr Pranjali P Deshmukh

Section :- A / B ✓

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
1	1/2/2021	Vision, mission of college, department, PEO, PO & PSO discussion	(B)	
2	2/2/2021	Introduction of DS, clo & co of subject	(B)	
3	4/2/21	Data structures and types	(B)	
4	5/2/21	Algorithm, notations and complexity	(B)	
5	6/2/21	string processing operations	(B)	
6	8/2/21	first pattern matching algo. with complexity & example	(B)	
7	9/2/21	second pattern matching, example & complexity	(B)	
8	11/2/21	Array, memory representations, types of array	(B)	
9	13/2/21	algorithms on array, traversing, searching	(B)	
10	16/2/21	Insertion, deletion and appln of array	(B)	(H)
11	18/2/21	<u>Unit-II</u> - Introduction to Linked list	(B)	
12	20/2/21	Linked list representation in memory using array	(B)	
13	22/2/21	Types of linked list, traversing algo. complexity	(B)	
14	23/2/21	Insertion algorithms and example complexity	(B)	
15	25/2/21	Deletion algorithms, examples and complexity	(B)	
16	26/2/21	searching algorithms, example, complexity	(B)	
17	1/3/21	Doubly linked list and representation in memory	(B)	
18	2/3/21	Algorithms on DLL and its complexity	(B)	(H)
19	4/3/21	<u>Unit-III</u> Introduction to stack, def'n, memory representation	(B)	
20	5/3/21	operations on stack, push pop using array & linked list	(B)	
21	6/3/21	Stack applications - recursion, Polish notation	(B)	
22	8/3/21	conversion infix to postfix using stack	(B)	
23	9/3/21	Tower of hanoi problem, algo. & complexity	(B)	
24	12/3/21	Queue - Definition, memory representation using array & linked list	(B)	
25	13/3/21	Types of Queue, operations on Queue	(B)	
26	15/3/21	Insertion, deletion, searching, appln	(B)	
27	16/3/21	Deque, priority Queue & example	(B)	(H)

Unit 1

unit.

Unit

Subject :- Database Management Systems (C202)

Sem:- 6th

Name Of Subject Teacher :- P. R. Nerkar

Section :- A / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
1.	18-01-21	CO, PO, CLO, Graduate Attributes.		
2.	19-01-21	Database System applications.		
3.	20-01-21	Database systems versus file systems		
4.	21-01-21	view of Data, Data models		
5.	22-01-21	Database languages		
6.	25-01-21	Database users and administrators, Transaction, managt		
7.	27-01-21	Database System structures		
8.	28-01-21	Application architectures, History of Database system		
9.	29-01-21	Entity-Relationship model		
10.	01-02-21	Basic concepts, Constraints, keys		
11.	03-02-21	Design Issues, ER diagram		
12.	04-02-21	Weak Entity sets.		
13.	05-02-21	Extended ER features, Design of an ER database schema.		
14.	12-02-21	Reduction of an ER schema to tables		
15.	15-02-21	Relational model		
16.	16-02-21	Structure of relational databases.		
17.	17-02-21	The relational algebra		
18.	18-02-21	Extended Relational-algebra operators		
19.	24-02-21	Modification of the database, Views.		
20.	25-02-21	Tuple relational calculus		
21.	26-02-21	Domain relational calculus.		
22.	01-03-21	SQL: Basic Structure.		
23.	02-03-21	Set Operator.		
24.	03-03-21	Aggregation functions		
25.	04-03-21	Null values.		
26.	05-03-21	Nested Sub queries, Views.		

Unit I

Unit II

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
27	08-03-21	Integrity and security, Domain Constraints		
28	09-03-21	Referential Integrity, Assertions		
29	10-03-21	Triggers		
Unit III	30	12-03-21	security and Authorization, Authorization in SQL	
31	12-04-21	Encryption and Authentication		
32	15-04-21	Relational Database design, first normal forms		
33	29-04-21	Pitfalls in relational database design		
34	30-04-21	Functional dependencies, decomposition, BCNF		
35	03-05-21	*Third and *Fourth normal form		
*	36	05-05-21	overall database design process	
37	06-05-21	Query Processing: overview, Measures of query		
38	07-05-21	Selection of operation, Sorting		
39	10-05-21	Join		
Unit II	40	11-05-21	Evaluation of Expressions	
41	12-05-21	Query optimization		
42	17-05-21	Overview		
43	19-05-21	Transformation of relational expression		
44	20-05-21	Choice of evaluation plans		
*	45	21-05-21	Materialized Views	
46	04-05-21	Transaction management: Transaction state		
Unit V	47	25-05-21	Implementation of atomicity and durability	
48	27-05-21	Concurrent Execution, Serializability, Recoverability		
49	28-05-21	Implementation of isolation		
*	50	31-05-21	Testing for serializability	
51	01-06-21	Concurrency Control: Lock-Based Protocol		
52	02-06-21	Timestamp-Based Protocol; Validation Based		
Unit VI	53	03-06-21	multiple Granularities	
54	04-06-21	Deadlock handling		
55	07-06-21	Insert and delete operations		
56	08-06-21	Recovery systems: Issues & solutions		

Subject :- NAS

Sem:- VIII

Name Of Subject Teacher :- P V Duelle

Section :- A / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD	
1	18/01/21	Mission, Vision, Syllabus, clo of subject	P.V.D		
2	19/01/21	Introduction to Network security	P.V.D		
3	20/01	Passive & active attacks	P.V.D		
4	21/01	Access control, internal standard	P.V.D		
5	22/01	Internet security model	P.V.D		
I	6	25/01	Security triad, authentication	P.V.D	
7	27/01	Confidentiality, security services	P.V.D		
8	28/01	Security Mechanism	P.V.D		
9	29/01	Cryptography: Encryption Principle	P.V.D	✓	
←	10	01/02	Symmetric Encryption & algorithms	P.V.D	
11	21/02	Data Encryption Standard Algorithms	P.V.D		
12	3/02	3 DES, Advantages, disadvantages	P.V.D		
13	4/02	Block cipher, AES	P.V.D		
14	5/02	AES Algorithms usefulness & limitations	P.V.D		
II	15	8/02	Public key cryptography	P.V.D	
16	9/02	Message Authentication, MAC	P.V.D		
17	10/2	Digital Signature (MD5)	P.V.D		
18	10/2	SHA-1, SHA-512 Algorithms	P.V.D		
←	19	11/2	Introduction to N/w security Applications	P.V.D	✓
20	12/2	Kerberos	P.V.D		
21	15/02	Kerberos usefulness & limitations	P.V.D		
22	17/02	X.509 directory authentication services	P.V.D		
III	23	18/02	E-mail Security	P.V.D	
24	22/02	MIME, advantage, concepts	P.V.D		
25	23/02	MIME, limitations, concepts	P.V.D		
26	24/02	PGP concept & operation description	P.V.D		
27	25/02	SMIME (Secure MIME)	P.V.D		

Subject :- RTE3

Sem:- VII

Name Of Subject Teacher :- A.A. Gulhane

Section :- A / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
1	17-08-20	Discussion of Vision, Mission, CLO, PEO, Syllabus Attributes, Objective of subject	✓	
2	18-08-20	Introduction to Embedded Systems	✓	
3	20-08-20	Processor in the system, types of processor.	✓	
4	21-08-20	H/W units acquired in the exemplary cases.	✓	
5	24-08-20	S/W embedded into a system. Final machine implementable S/W for a product	✓	
6	25-08-20	S/W in processor specific ALP	✓	
7	27-08-20	Device drivers & management in OS.	✓	
8	28-08-20	S/W design for scheduling multiple tasks & devices using RTOS	✓	
9	31-08-20	SoC & VLSI.	✓	✓
10	03-09-20	Structural units of processor	✓	
11	04-09-20	Allocation of memory to program segment & blocks.	✓	
12	07-09-20	Memory map of the system	✓	
13	08-09-20	Memory blocks for different data sets & structures	✓	
14	10-09-20	I2C, CAN & advanced I/O buses	✓	
15	11-09-20	Device drivers, Virtual Devices	✓	
16	14-09-20	Device drivers for parallel port, serial & timing devices	✓	
17	15-09-20	Context switching, deadline & interrupt latency	✓	✓

UNIT I
UNIT II
UNIT III

Sr. No.	Date	Topics to be Covered	Faculty	Sign. HOD
1	01-01-2020	Introduction of A.P.E.C	Dr	
2	02-01-2020	Important Elements	Dr	
3	03-01-2020	Use of IF Else function & series	Dr	
4	04-01-2020	Use of Switch & case	Dr	
5	05-01-2020	Use of For = While, Queuing of functions in structures	Dr	
6	06-01-2020	Use of F2F queues & stacks	Dr	
7	07-01-2020	Use of Ordered lists	Dr	
8	08-01-2020	Template programming in C++	Dr	
9	09-01-2020	Template programming in Java	Dr	
10	10-01-2020	Use of DFC & BCFG	Dr	
11	11-01-2020	Use of DFC & BCFG	Dr	
12	12-01-2020	Use of DFC & BCFG	Dr	
13	13-01-2020	Use of DFC & BCFG	Dr	
14	14-01-2020	Use of DFC & BCFG	Dr	
15	15-01-2020	Use of DFC & BCFG	Dr	
16	16-01-2020	Use of DFC & BCFG	Dr	
17	17-01-2020	Use of DFC & BCFG	Dr	
18	18-01-2020	Use of DFC & BCFG	Dr	
19	19-01-2020	Use of DFC & BCFG	Dr	
20	20-01-2020	Use of DFC & BCFG	Dr	
21	21-01-2020	Use of DFC & BCFG	Dr	
22	22-01-2020	Use of DFC & BCFG	Dr	
23	23-01-2020	Use of DFC & BCFG	Dr	
24	24-01-2020	Use of DFC & BCFG	Dr	
25	25-01-2020	Use of DFC & BCFG	Dr	
26	26-01-2020	Use of DFC & BCFG	Dr	
27	27-01-2020	Use of DFC & BCFG	Dr	
28	28-01-2020	Use of DFC & BCFG	Dr	
29	29-01-2020	Use of DFC & BCFG	Dr	
30	30-01-2020	Use of DFC & BCFG	Dr	
31	31-01-2020	Use of DFC & BCFG	Dr	
32	01-02-2020	Use of DFC & BCFG	Dr	
33	02-02-2020	Use of DFC & BCFG	Dr	
34	03-02-2020	Use of DFC & BCFG	Dr	
35	04-02-2020	Use of DFC & BCFG	Dr	
36	05-02-2020	Use of DFC & BCFG	Dr	
37	06-02-2020	Use of DFC & BCFG	Dr	
38	07-02-2020	Use of DFC & BCFG	Dr	
39	08-02-2020	Use of DFC & BCFG	Dr	
40	09-02-2020	Use of DFC & BCFG	Dr	
41	10-02-2020	Use of DFC & BCFG	Dr	
42	11-02-2020	Use of DFC & BCFG	Dr	
43	12-02-2020	Use of DFC & BCFG	Dr	
44	13-02-2020	Use of DFC & BCFG	Dr	
45	14-02-2020	Use of DFC & BCFG	Dr	
46	15-02-2020	Use of DFC & BCFG	Dr	
47	16-02-2020	Use of DFC & BCFG	Dr	
48	17-02-2020	Use of DFC & BCFG	Dr	
49	18-02-2020	Use of DFC & BCFG	Dr	
50	19-02-2020	Use of DFC & BCFG	Dr	
51	20-02-2020	Use of DFC & BCFG	Dr	
52	21-02-2020	Use of DFC & BCFG	Dr	
53	22-02-2020	Use of DFC & BCFG	Dr	
54	23-02-2020	Use of DFC & BCFG	Dr	
55	24-02-2020	Use of DFC & BCFG	Dr	
56	25-02-2020	Use of DFC & BCFG	Dr	
57	26-02-2020	Use of DFC & BCFG	Dr	
58	27-02-2020	Use of DFC & BCFG	Dr	
59	28-02-2020	Use of DFC & BCFG	Dr	
60	29-02-2020	Use of DFC & BCFG	Dr	
61	30-02-2020	Use of DFC & BCFG	Dr	
62	01-03-2020	Use of DFC & BCFG	Dr	
63	02-03-2020	Use of DFC & BCFG	Dr	
64	03-03-2020	Use of DFC & BCFG	Dr	
65	04-03-2020	Use of DFC & BCFG	Dr	
66	05-03-2020	Use of DFC & BCFG	Dr	
67	06-03-2020	Use of DFC & BCFG	Dr	
68	07-03-2020	Use of DFC & BCFG	Dr	
69	08-03-2020	Use of DFC & BCFG	Dr	
70	09-03-2020	Use of DFC & BCFG	Dr	
71	10-03-2020	Use of DFC & BCFG	Dr	
72	11-03-2020	Use of DFC & BCFG	Dr	
73	12-03-2020	Use of DFC & BCFG	Dr	
74	13-03-2020	Use of DFC & BCFG	Dr	
75	14-03-2020	Use of DFC & BCFG	Dr	
76	15-03-2020	Use of DFC & BCFG	Dr	
77	16-03-2020	Use of DFC & BCFG	Dr	
78	17-03-2020	Use of DFC & BCFG	Dr	
79	18-03-2020	Use of DFC & BCFG	Dr	
80	19-03-2020	Use of DFC & BCFG	Dr	
81	20-03-2020	Use of DFC & BCFG	Dr	
82	21-03-2020	Use of DFC & BCFG	Dr	
83	22-03-2020	Use of DFC & BCFG	Dr	
84	23-03-2020	Use of DFC & BCFG	Dr	
85	24-03-2020	Use of DFC & BCFG	Dr	
86	25-03-2020	Use of DFC & BCFG	Dr	
87	26-03-2020	Use of DFC & BCFG	Dr	
88	27-03-2020	Use of DFC & BCFG	Dr	
89	28-03-2020	Use of DFC & BCFG	Dr	
90	29-03-2020	Use of DFC & BCFG	Dr	
91	30-03-2020	Use of DFC & BCFG	Dr	
92	31-03-2020	Use of DFC & BCFG	Dr	
93	01-04-2020	Use of DFC & BCFG	Dr	
94	02-04-2020	Use of DFC & BCFG	Dr	
95	03-04-2020	Use of DFC & BCFG	Dr	
96	04-04-2020	Use of DFC & BCFG	Dr	
97	05-04-2020	Use of DFC & BCFG	Dr	
98	06-04-2020	Use of DFC & BCFG	Dr	
99	07-04-2020	Use of DFC & BCFG	Dr	
100	08-04-2020	Use of DFC & BCFG	Dr	

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

Execution Plan
 (2020-2021)

Subject :- RIES

Sem:- VII

Name Of Subject Teacher :- A. A. Erutbane

Section :- A / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
45	10.12.020	Preemptive scheduling, Critical section service by preemptive	J	
46	11.12.020	Fixed Real time scheduling, Precedence assignment in scheduling algorithms.	J	
47	14.12.020	Cycling scheduling in time slicing	J	
48	15.12.020	Performance metrics, IEEE standard POSIX 1033.1B	J	
49	17.12.020	Fifteen point strategy for synchronization	J	
50	18.12.020	Embedded Linux Kernel.	J	J



Head

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

Subject :- Analog & Digital Electronics (31T05)

Sem:- III

Name Of Subject Teacher :- Prof. A. G. Mahalle

Section :- A / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
01	18/08/20	Vision & Mission of Institute & Dept., Graduate Attributes, COs & CLOs, Syllabus	<u>As.</u>	
02	20/08/20	Semiconductor Basics	<u>As.</u>	
03	25/08/20	Transistors Basics	<u>As.</u>	
04	27/08/20	Transistor as an Amplifier	<u>As.</u>	
05	29/08/20	Need of Biasing	<u>As.</u>	
06	02/09/20	Potential divider bias circuit	<u>As.</u>	
07	03/09/20	Faithful amplification of CE Amplifier	<u>As.</u>	
08	05/09/20	Transistor as an Electronic switch	<u>As.</u>	
09	08/09/20	Construction & working of JFET	<u>As.</u>	<u>As.</u>
10	09/09/20	UNIT II: Basics of Operational Amplifier	<u>As.</u>	
11	10/09/20	Block diagram of op amp	<u>As.</u>	
12	12/09/20	Ideal op amp parameters	<u>As.</u>	
13	15/09/20	Inverting amplifier	<u>As.</u>	
14	16/09/20	Non-inverting amplifier, Voltage follower	<u>As.</u>	
15	19/09/20	Summing Amplifier	<u>As.</u>	
16	19/09/20	Subtractor	<u>As.</u>	
17	22/09/20	Comparator	<u>As.</u>	<u>As.</u>
18	23/09/20	UNIT III: Basics of Oscillator, Barkhausen Criteria	<u>As.</u>	
19	24/09/20	RC Phase Shift Oscillator	<u>As.</u>	
20	26/09/20	Transistor Crystal oscillator	<u>As.</u>	
21	29/09/20	Block diagram of Timer IC 555	<u>As.</u>	
22	30/09/20	Astable Multivibrator	<u>As.</u>	
23	01/10/20	Monostable Multivibrator	<u>As.</u>	
24	03/10/20	Solved Problems	<u>As.</u>	
25	06/10/20	UNIT IV: Various logic gates & study of truth tables	<u>As.</u>	<u>As.</u>

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
26	07/10/20	Standard logic expression forms: SOP & POS	<u>Car.</u>	
27	08/10/20	Logic expression realization and minimization using K-map	<u>Car.</u>	
28	10/10/20	Two variables K-map	<u>Car.</u>	
29	13/10/20	Three variable K-map	<u>Car.</u>	
30	14/10/20	Four variable K-map	<u>Car.</u>	
31	15/10/20	Adder circuits: Full & half adder	<u>Car.</u>	
32	17/10/20	Subtractor circuits: Full & half subtractor	<u>Car.</u>	<u>Y</u>
		<u>UNIT V:</u>		
33	20/10/20	Difference between combinational & seq. circuit	<u>Car.</u>	
34	21/10/20	Code converters (BCD, Excess-3 and Gray)	<u>Car.</u>	
35	22/10/20	Multiplexers	<u>Car.</u>	
36	24/10/20	De-multiplexers	<u>Car.</u>	
37	03/11/20	Demoders	<u>Car.</u>	
38	04/11/20	SR flip flop	<u>Car.</u>	
39	05/11/20	JK flip flop	<u>Car.</u>	
40	07/11/20	D FF and T FF	<u>Car.</u>	<u>Y</u>
		<u>UNIT VI</u>		
41	24/11/20	Difference between asynchronous and synchronous sequential circuits	<u>Car.</u>	
42	28/11/20	Asynchronous counters	<u>Car.</u>	
43	02/12/20	Up counter	<u>Car.</u>	
44	03/12/20	Down counter	<u>Car.</u>	
45	05/12/20	Mod counter	<u>Car.</u>	
46	08/12/20	Working of Shift Registers, SISO	<u>Car.</u>	
47	10/12/20	SIPO, PISO and PIPO	<u>Car.</u>	
48	12/12/20	Application of Shift Register as a Ring counter.	<u>Car.</u>	<u>Y</u>

Y
Head

Execution Plan

(2020-2021) W-20

Subject :- Discrete Structure & Graph Theory

Sem:- III

Name Of Subject Teacher :- Dr. A. S. Alvi

Section :- A / B


Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
1	18/8/20	Statements and notations	At	
2	20/8/20	connectives.	At	
3	21/8	Normal forms	At	
4	25/8	Equivalences	At	
5	27/8	Principle of DNFs	At	
6	28/8	principle of CNF	At	
7	29/8	Inference Rule	At	
8	03/09	The theory of inference for the statement calculus.	At	
9	4/09	The theory of predicate	At	
10	05/09	calculus.	At	At
11	07/09	Basic concepts of set theory	At	
12	10/09	Representation of Discrete structure	At	
13	11/09	Relation	At	
14	12/09	Ordering of set.	At	
15	15/09	Functions, Recursion.	At	
16	17/09	Recursive function.	At	
17	18/09	sets and predicates.	At	At
18	19/09	Algebraic systems.	At	
19	22/09	Semi Groups.	At	
20	24/09	Monoids.	At	
21	25/09	Grammar & Languages.	At	
22	26/09	Polish expression.	At	
23	29/09	polish expression & their compilation	At	
24	01/09	Application of Residue Arithmetic to computers.	At	At
25	03/10	Lattices.	At	

I

II

III

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD	
26	8/10	Partially ordered sets.	att		
27	9/10	Lattices as an algebraic system	att		
28	10/10	Boolean Algebra.	att		
IV	29	13/10	Boolean Function.	att	
30	15/10	Representation of Boolean Func ⁿ .	att		
31	16/10	Minimization of boolean f ⁿ .	att		
←	32	17/10	Minimization of boolean f ⁿ cont.	att	att
33	20/10	Graph theory basic concept.	att		
34	22/10	Graph theory paths.	att		
35	23/10	Reachability	att		
36	24/10	Connectedness	att		
V	37	05/09	Matrix representation of graphs.	att	
38	06/09	Matrix representation of graph cont.	att		
39	07/09	Coloring of Graphs.	att		
←	40	24/71	Storage representation & manipulation of Graph.	att	att
41	26/11	Basic concept of tree	att		
42	27/11	Tree searching	att		
43	28/11	Minimal spanning tree	att		
44	3/12	Grammar, rooted tree.	att		
45	4/12	Expression tree - B-tree	att		
46	5/12	Distance between spanning tree of graph	att		
47	5/12	PERT & Related techniques	att	att	
48	5/12				


Head

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

Execution Plan
(2020-2021)

Subject :- Computer Architecture & Organization

Sem :- V

Name Of Subject Teacher :- Prof. A. W. Buarange

Section :- A / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
1.	17/8/20	Introduction to basic structure of ^{Comp.}	*	
2	18/8/20	Basic structure of computer	*	
3	19/8/20	Addressing modes	*	
4	20/8/20	Program Sequencing	*	
5	21/8/20	Concept of memory locations & Address	*	
6	24/8/20	Main memory operation	*	
7	25/8/20	Instructions & instruction sequencing	*	
8	27/8/20	Addressing modes with example	*	
9	28/8/20	Basic I/O operations, queues & subroutine	*	*
10.	31/8/20	Introduction to processing Unit	*	
11.	1/9/20	Execution of complete instruction	*	
12.	2/9/20	Hardwired Control	*	
13	3/9/20	Performance consideration	*	
14	4/9/20	Microprogrammed Control	*	
15	7/9/20	Microinstructions, microprogram seq.	*	
16	9/9/20	Microinstruction Prefetching	*	
17	10/9/20	Emulation.	*	*
18	11/9/20	Introduction to I/O organization	*	
19	14/9/20	Accessing I/O Devices	*	
20	15/9/20	Study of interrupts	*	
21	16/9/20	DMA : Bus Arbitration	*	
22	18/9/20	I/O hardware introduction	*	
23	21/9/20	Processor bus & interfacing circuits	*	
24	22/9/20	Std. I/O interfaces fundamentals	*	
25	23/9/20	SCSI bus	*	
26	24/9/20	backplane bus standard	*	*

Subject :- CAD

Name Of Subject Teacher :- H.D. Kale

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
1	17/8/20	Introduction to Basic structure of computer.	MF	
2	18/8/20	Basic structure : Hardware & Software	MF	
3	19/8/20	Addressing modes	MF	
4	20/08/20	Addressing modes (continue)	MF	
5	21/08/20	Program Sequencing	MF	
6	24/8/20	Concept of memory locations & address.	MF	
7	25/8/20	Main memory operation	MF	
8	27/8/20	Instruction & Instruction sequencing	MF	
9	28/8/20	Addressing modes	MF	
10	31/8/20	Basic I/O Operations	MF	
11	21/9/20	Queues & Subroutines	MF	
12	3/9/20	Introducing to processing unit: fundamental concepts.	MF	
13	4/9/20	Execution of a complete instr.	MF	
14	7/9/20	Hardwired control	MF	
15	8/9/20	Performance consideration	MF	
16	9/9/20	Microprogrammed control	MF	
17	10/9/20	Microinstructions, microprogram sequencing	MF	
18	11/9/20	Microinstruction prefetching	MF	
19	14/9/20	Emulation	MF	
20	15/9/20	Introduction to I/O Organization	MF	
21	16/9/20	Accessing I/O devices	MF	
22	18/9/20	Introduction to Interrupts	MF	
23	21/9/20	Study of Interrupts	MF	

Unit I

Unit II

Unit

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
24	22/9/20	Direct memory access : bus arbitration	NY	
25	23/9/20	110 hardware introduction	NY	
26	24/9/20	Processor bus and interfacing circuits	NY	
27	25/9/20	Standard 110 interfaces fundamental	NY	
28	28/9/20	SCSI Bus	NY	
29	29/9/20	Backplane bus standard	NY	NY
30	30/9/20	Memory unit : Basic concepts	NY	
31	1/10/20	Semiconductor RAM memories	NY	
32	5/10/20	IP Security architecture	NY	
33	6/10/20	Web Security: Requirements	NY	
34	7/10/20	Internal organization of memory	NY	
35	8/10/20	Static & dynamic RAM's & ROM's	NY	
36	9/10/20	Speed, size & cost consideration	NY	
37	12/10/20	Cache memories : performance considerations	NY	
38	13/10/20	Virtual memories, address translation	NY	
39	14/10/20	Memory management requirements	NY	NY
40	19/10/20	Arithmetic number representation	NY	
41	20/10/20	Arithmetic No. reprtn (continue)	NY	
42	21/10/20	Design of fast adders	NY	
43	22/10/20	Signed addition and subtraction	NY	
44	23/10/20	Multiplication of positive no.	NY	
45	26/10/20	Booth's algorithm	NY	
46	27/10/20	Integer division	NY	
47	28/10/20	floating-point number and related operations.	NY	NY

Department of Information Technology

Execution Plan

(2020-2021) W-20

Subject :- Real Time Embedded Systems.

Sem:- VII

Name Of Subject Teacher :- Prof. M. S. Deshmukh

Section :- XI B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
1	18/8/20	Discussion on-Vission, Mission, CLO & Syllabus	(TV)	
2	19/8/20	Introduction to embedded systems.	(TV)	
3	20/8/20	Processor in the system, types of processor.	(TV)	
4	21/8/20	Hardware units required.	(TV)	
5	25/8/20	Software embedded into a system	(TV)	
6	27/8/20	Software in specific assembly language	(TV)	
7		& high level language.	(TV)	
8	28/8/20	Device driver, device management using operating systems.	(TV)	
9	2/9/20	Software design for scheduling multiple task & devices using RTOS.	(TV)	
10	3/9/20	Embedded SoC and in VLSI circuit	(TV)	(S)
11	4/9/20	<u>Unit -II</u> Structural units of processor.	(TV)	
12	8/9/20	Allocation of memory	(TV)	
13	9/9/20	Memory map of the system.	(TV)	
14	10/9/20	Memory blocks for different data sets & structure.	(TV)	
15	11/9/20	Serial communication - I2C, CAN	(TV)	
16	15/9/20	Device driver, virtual devices	(TV)	
17	16/9/20	Device driver for parallel port, serial & timing devices	(TV)	
18	18/9/20	Context switching, deadline & interrupt latency.	(TV)	
19	22/9/20	Software programming in assembly language & C.	(TV)	
20	23/9/20	program elements, use of data structure, Queues, stacks, list & trees.	(TV)	(S)

Sr. No.	Date	Topics to be Covered	Faculty	Wen (H)
20	24/9/20	Use of data structure, function pointers	(H)	
21	25/9/20	Queues for implementing protocol for n/w	(H)	
22	27/9/20	Use of FIFO queues, stacks	(H)	
23	30/9/20	list & ordered list	(H)	
24	1/10/20	Embedded programming in C++	(H)	
25	6/10/20	Embedded programming in java	(H)	
26	7/10/20	Unit 4 - Modelling process, - use of dataflow & control data flow graph.	(H)	(H)
27	8/10/20	Programming model for event control: yr	(H)	
28	9/10/20	Use of finite state machine model	(H)	
29	13/10/20	Finite state machine: timer, C function	(H)	
30	14/10/20	Petri net model	(H)	
31	16/10/20	Modelling of multiprocessor systems	(H)	
32	20/10/20	Multiple process in an application - process, task & muw thread.	(H)	(H)
33	21/10/20	Unit 5 - IPC & synchronization. Use to semaphore for critical section	(H)	
34	22/10/20	Mutex, P & V semaphore. Priority inversion & deadlock.	(H)	
35	23/10/20	Use of signal, semaphore flags	(H)	
36	27/10/20	Mutex as resource key.	(H)	
37	28/10/20	Use of message queues	(H)	
38	29/10/20	Mailboxes, pipes	(H)	
39	3/11/20	Virtual sockets, RPCs.	(H)	(H)
40	4/11/20	Unit 6 - Introduction to RTOS	(H)	
41	5/11/20	Scheduling management for real time	(H)	
42	6/11/20	Co-operative round robin, Circular queue	(H)	
43	24/11/20	RTOS scheduling model, cyclic scheduling	(H)	
44	25/11/20	Preemptive scheduling, Precedence assign	(H)	
45	26/11/20	Fixed real time scheduling, precedence.	(H)	(H)

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Execution Plan
 (2020-2021)

Subject :-

Sem:-

Name Of Subject Teacher :-

Section :- A / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
46	27/11/20	performance metrics,		
47	1/12/20	IEEE standard POSIX 1003.1B.		
48	2/12/20	Fifteen point strategy for synchronization.		
49	3/12/20	Embedded Linux kernel		
50	4/12/20	Revision of unit I		
51	8/12/20	Revision of Unit-II		
52	9/12/20	Revision of Unit III		
53	10/12/20	Revision of Unit IV		
54	11/12/20	Revision of Unit V		
55	14/12/20	Revision of unit-VI		

Head

Deptt. of Information Technology
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Execution Plan

(2020-2021) W-20

Subject :- Artificial Intelligence & Expert System (AI-ES)

Sem:- 7th

Section :- A / B

Name Of Subject Teacher :- Prof N.S. Patel

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
1.	21/08/22	Vision Mission of Institution & Department PEO, PO, PSO		
2.	13/8/22	Introduction of Artificial Intelligence, AI Problems	*	
3.	14/8/22	The Underlying Assumption	*	
4.	18/8/22	What is an AI Technique	*	
5.	20/8/22	Problems, Problem Spaces & Search	*	
6.	23/8/22	Problem Characteristics	*	
7.	24/8/22	Production Systems	*	
8.	25/8/22	Production System Characteristics	*	
9.	27/8/22	Issues in the Design of Search Programs	*	*
10.	30/8/22	Unit-2 :- Heuristic Search Techniques	*	
11.	31/8/22	General - and - Test Algo.	*	
12.	1/9/22	Hill Climbing	*	
13.	3/9/22	Best - first Search, A* Algorithm	*	
14.	8/9/22	Problem Reduction, AND-OR Graphs	*	
15.	14/9/22	The AO* Algorithm	*	
16.	15/9/22	Constraint Satisfaction	*	
17.	17/9/22	Means ends Analysis	*	
18.	20/9/22	Knowledge Representation Issues,		
	22/9/22	Representations & Mappings	*	*
19.	22/9/22	Approaches to Knowledge Representation	*	
20.	22/9/22	Issue in knowledge Representation <small>Thy Frame</small>	*	
21.	23/9/22	Predicate Logic: Representing Simple Facts in <small>logic</small>	*	
22.	27/9/22	Representing Instance & ISA Relationship <small>computable Function & Predicates</small>	*	
23.	28/9/22	Resolution, Natural Deduction	*	
24.	21/10/22	Representing Knowledge Using Rules, Procedural Vs Declarative Knowledge	*	
25.	01/10/22	Logic Programming Forward Vs Backward Reasoning <small>Matching, Control Knowledge,</small>	*	

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(2020-2021)

Subject :- Distributed Database Systems. W = 20 marks

Sem:- VIIth

Name Of Subject Teacher :- Niketa V. Kadam

Section :- A / B

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
Unit: I	1. 18.08.21	Introduction to DBMS	<input checked="" type="checkbox"/>	
2. 19.8.21	Introduction Continued	<input checked="" type="checkbox"/>		
3. 20.8.21	Promises of DBMS, Problem area	<input checked="" type="checkbox"/>		
4. 21.8.21	Overview of Relational DBMS	<input checked="" type="checkbox"/>		
5. 25.8.21	Normalization, Integrity Rules	<input checked="" type="checkbox"/>		
6. 26.8.21	Review of Computer networks	<input checked="" type="checkbox"/>		
7. 27.8.21	Data Communication	<input checked="" type="checkbox"/>		
8. 28.8.21	Types of network protocol	<input checked="" type="checkbox"/>		
9. 29.8.21	Protocol Standard	<input checked="" type="checkbox"/>		
10. 1.09.21	Revision	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Unit: II	11. 2.9.21	Overview of Query processing	<input checked="" type="checkbox"/>	
12. 3.9.21	Overview Continued	<input checked="" type="checkbox"/>		
13. 4.9.21	Optimization Timing	<input checked="" type="checkbox"/>		
14. 8.9.21	Characteristics of query processing	<input checked="" type="checkbox"/>		
15. 9.9.21	Layers of query processing	<input checked="" type="checkbox"/>		
16. 10.9.21	Data Localization	<input checked="" type="checkbox"/>		
17. 11.9.21	Revision.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Unit: III	18. 15.9.21	Transaction Management	<input checked="" type="checkbox"/>	
19. 16.9.21	Properties of transaction	<input checked="" type="checkbox"/>		
20. 17.9.21	Types of Transaction	<input checked="" type="checkbox"/>		
21. 18.9.21	Serialization, Taxonomy	<input checked="" type="checkbox"/>		
22. 22.9.21	Locking based concurrency algm	<input checked="" type="checkbox"/>		
23. 23.9.21	2PL, Strict 2PL	<input checked="" type="checkbox"/>		
24. 24.9.21	Deadlock management	<input checked="" type="checkbox"/>		
25. 25.9.21	Continued..	<input checked="" type="checkbox"/>		
26. 1.10.21	Revision.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Unit: IV	27. 2.10.21	Distributed DBMS reliability	<input checked="" type="checkbox"/>	

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD	
28	3.10.21	System State			
29	4.10.21	Failures & fault tolerance			
30	8.10.21	Failures in DBMS			
31	9.10.21	Local Reliability protocols			
32	10.10.21	Execution of LRM			
33	11.10.21	Handling media failures			
34	15.10.21	Dealing with site failures			
35	16.10.21	B Phase Commit protocol			
36	17.10.21	Revision.			
Unit: V	37	18.10.21	Distributed object DBMS		
	38	22.10.21	Partitioning alg ^m		
	39	23.10.21	Architecture of ODBMS		
	40	24.10.21	Current issues		
	41	25.10.21	Data Ware housing		
	42	29.10.21	WWW		
	43	30.10.21	Mobile Databases		
	44	31.10.21	Revision.		
Unit: VI	45	1.11.21	Distributed DBMS architecture		
	46	5.11.21	Feature		
	47	6.11.21	DBMS Standardization		
	48	7.11.21	Architectural models		
	49	8.11.21	Distributed DBMS architecture		
	50	12.11.21	Distributed db design strategies		
	51	13.11.21	Top down, bottom up design		
	52	14.11.21	Distributed Design issues		
	53	15.11.21	Fragmentation		
	54	19.11.21	Allocation Semantic data control		
	55	20.11.21	View Management		
	56	21.11.21	Data security		
	57	22.11.21	Semantic Integrity control		
	58	26.11.21	Revision		

Head

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

Subject :- Object oriented Programming

Sem:- 3rd

Name Of Subject Teacher :- Dr. Pranjali P. Deshmukh

Section :- A / B ✓

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD
1	18/8/20	Vision mission of Institute and Department PEO & PO and PSO	(B)	
2	19/8/20	CLO & CO of subject explanation & discussion	(B)	
3	21/8/20	Introduction to OOPS, need of OOPS	(B)	
4	25/8/20	Principles of object oriented Prog.	(B)	
5	28/8/20	Procedural vs OOPS, applications of OOPS	(B)	
6	29/8/20	Introduction to Java programming	(B)	
7	2/9/20	Java features and Java virtual machine	(B)	
8	4/9/20	Java Program structure & explanation	(B)	
9	8/9/20	Java programming control construct	(B)	
10	8/9/20	Java Primitive data types & programs	(B)	
11	9/9/20	Identifier, Literals, operators	(B)	
12	11/9/20	Expressions, Precedence Rules & associativity	(B)	
13	12/9/20	Primitive types conversions & casting	(B)	
14	15/9/20	Flow of control (if, if else, if else -if)	(B)	
15	16/9/20	Flow of control (switch-case while do-while)	(B)	
16	18/9/20	for, break and continue statements Programs	(B)	
17	19/9/20	<u>Unit-II</u> Introduction to class & object	(B)	
18	22/9/20	Creating objects and methods	(B)	
19	23/9/20	more on creating objects and methods	(B)	
20	25/9/20	Constructors and programs on it	(B)	
21	26/9/20	cleaning up unused objects	(B)	
22	28/9/20	Class variables and methods	(B)	
23	29/9/20	this keyword	(B)	
24	30/9/20	Array introduction Single dimension	(B)	
25	2/10/20	multidimension array passing array tp method	(B)	
26	3/10/20	command line arguments	(B)	
27	5/10/20	more programming practice	(B)	

Unit 1

Unit 2

Sr. No.	Date	Topics to be Covered	Sign of Faculty	Sign of HOD	
28	6/10/20	<u>Unit - III</u> Introduction to inheritance types and program	(B)	Unit 3	
29	6/10/20	Inheritance vs Aggregation	(B)		
30	7/10/20	more programming on types of inheritance	(B)		
31	9/10/20	Polymorphism, method overloading	(B)		
32	10/10/20	method overriding	(B)		
33	13/10/20	super keyword and final keyword	(B)		
34	14/10/20	Abstract class and Programs	(B)		
35	16/10/20	Interfaces, multiple inheritance through interface	(B)		
36	17/10/20	packages and Enumeration	(B)		
37	19/10/20	Java long package, Enum type	(B)		Handwritten mark
38	20/10/20	<u>Unit - IV</u> Exception introduction	(B)	Unit -	
39	21/10/20	Exception handling techniques & types	(B)		
40	23/10/20	try-catch, finally, throw & throws	(B)		
41	24/10/20	User defined exception	(B)		
42	27/10/20	Exception encapsulation & enrichment	(B)		
43	28/10/20	Java.io file class, Reading writing data	(B)		
44	31/10/20	performing i/o on file using i/o package	(B)		Handwritten mark
45	3/11/20	<u>Unit - V</u> Applet introduction, Applet class	(B)		
46	4/11/20	Applet structure & applet life cycle	(B)		
47	7/11/20	programs with applet, Graphics & Color class	(B)		
48	24/11/20	paint(), update, repaint methods	(B)		
49	25/11/20	getDocumentBase() & getCodeBase() method	(B)	Handwritten mark	
50	27/11/20	<u>Unit - VI</u> Introduction to Event handling Java AWT	(B)	Unit	
51	28/11/20	Introduction to component and container classes & Programs	(B)		
52	1/12/20	GUI development using AWT	(B)		
53	2/12/20	Event handling using Event Listener	(B)		
54	4/12/20	Event handling with Button, Label, Checkbox	(B)		
55	5/12/20	Radio buttons, list boxes, Textfield, Textarea	(B)		
56	8/12/20	Layouts, menuScrollbar	(B)		
57	9/12/20	Content beyond syllabus java.awt.Swing class	(B)		Handwritten mark

AY:-		2020-21			Execution Plan		20/01/2021 Commencement Date :	
Name of Faculty :- Prof. Shailesh S. Dhok							Semester:- F	
Subject:-Computer Programming				Subject Code:-		IA4		Section:-
Sr. No.	Date	Topics			Sign of Faculty	Remark		
		Unit-I			Fundamental of the Computer and Computing Concepts			
1	20-1-21	Generation of computers			[Signature]			
2	20-1-21	Classification of computers			[Signature]			
3	21-1-21	Basic Anatomy of Computer System, Input Devices, Processor, Output Devices, Memory Management			[Signature]			
4	22-1-21	Types of Computer Software, Overview of Operating system,			[Signature]			
5	22-1-21	Networking Concepts, Microsoft Office,			[Signature]			
6	23-1-21	Number systems: Decimal, Binary, Hexadecimal, Octal			[Signature]			
7	24-1-21	Conversion of Numbers, Binary Arithmetic Operations			[Signature]			
8	27-1-21	Programming Languages, Logic Gates			[Signature]			
		Unit-II			C Fundamentals:			
9	28-1-21	Introduction, Importance of C			[Signature]			
10	29-1-21	Basic Structure of C Programs, Program execution			[Signature]			
11	30-1-21	Basic programs based on C such as Printing Message			[Signature]			
12	04-2-21	Adding two numbers, Interest calculations			[Signature]			
13	05-2-21	Use of subroutines, math function			[Signature]			
14	06-2-21	C tokens, Keywords and Identifiers,			[Signature]			
15	09-2-21	Operators & their precedence, Assignment statement.			[Signature]			
16	10-2-21	Declaration of Variables, Declaration of Storage Class			[Signature]			
		Unit-III			Operators, Expression and Input-Output operation			
17	11-2-21	Operators, Types of Operators: Arithmetic, Relational			[Signature]			
18	12-2-21	Assignment, Increment-decrement			[Signature]			
19	13-2-21	Logical operator Assignment, Conditional operator			[Signature]			
20	16-2-21	Bitwise operator, Special operator			[Signature]			
21	17-2-21	Evaluation of Expression			[Signature]			
22	18-2-21	Precedence of Arithmetic Operators			[Signature]			
23	19-2-21	Input-Output Operation: Reading and Writing Character			[Signature]			
24	20-2-21	Formatted Input, Formatted Output.			[Signature]			

	Unit - IV	C Control constructs		
25	23-02-21	Decision-making using if, if-else	<u>\$</u>	
26	24-2-21	Nested if, else if ladder	<u>\$</u>	
27	25-2-21	switch-case statement	<u>\$</u>	
28	26-2-21	Operator, GotoOperator	<u>\$</u>	
29	27-2-21	Loops using for, while, do-while statements	<u>\$</u>	
30	28-2-21	break and continue statements	<u>\$</u>	
31	02-03-21	Jumps in loop	<u>\$</u>	
32	03-3-21	Concise Test Expressions	<u>\$</u>	
	Unit - V	Array, Strings and Structures		
33	04-3-21	Introduction to array, One Dimensional Array: Declaration & Initialization,	<u>\$</u>	
34	05-3-21	Two Dimensional: Declaration & Initialization, Multi Dimensional,	<u>\$</u>	
35	06-3-21	Strings: Declaration and Initialization, Reading String from terminal, Writing String to Screen	<u>\$</u>	
36	11-3-21	Putting Strings together, Comparison of Two Strings	<u>\$</u>	
37	12-3-21	String-Handling Functions	<u>\$</u>	
38	13-3-21	Table of Strings, Other features of String,	<u>\$</u>	
39	16-3-21	Structures - Define, Declaration	<u>\$</u>	
40	18-3-21	Accessing the members of a structure	<u>\$</u>	
	Unit - VI	User Defined Functions, Pointers and File Management		
41	19-3-21	Functions, Need for User defined Functions	<u>\$</u>	
42	20-3-21	Multi Function Program, Elements of User Defined Functions	<u>\$</u>	
43	23-3-21	Return Values and their types, Function Calls	<u>\$</u>	
44	24-3-21	Function Declaration, and Categories of Functions	<u>\$</u>	
45	25-3-21	Definition and uses of pointers, Accessing the address of a variable,	<u>\$</u>	
46	27-3-21	Introduction to File Management	<u>\$</u>	
47	30-3-21	Defining and Opening File, Closing File, Input/output Operations on File.	<u>\$</u>	
48	31-3-21	Input/output Operations on File.	<u>\$</u>	

Prof. Ram Meghe Institute of Technology & Research, Badnera

Department of First Year Engineering Department

AY:-		2020-21		Execution Plan		07/06/2021 - Commencement Date :	
Name of Faculty :- Prof. <u>Shailesh S. Dhok</u>						Semester:- <u>1st</u>	
Subject:- Computer Programming				Subject Code:-		1A4	
Section :							
Sr. No.	Date	Topics	Sign of Faculty	Remark			
Unit-I		Fundamental of the Computer and Computing Concepts					
1	7/6/21	Generation of computers	✓				
2	8-6-21	Classification of computers	✓				
3	8-6-21	Basic Anatomy of Computer System, Input Devices, Processor, Output Devices, Memory Management	✓				
4	9-6-21	Types of Computer Software, Overview of Operating system,	✓				
5	10-6-21	Networking Concepts, Microsoft Office,	✓				
6	11-6-21	Number systems: Decimal, Binary, Hexadecimal, Octal	✓				
7	12-6-21	Conversion of Numbers, Binary Arithmetic Operations	✓				
8	14-6-21	Programming Languages, Logic Gates	✓				
Unit-II		C Fundamentals:					
9	16-6-21	Introduction, Importance of C	✓				
10	17-6-21	Basic Structure of C Programs, Program execution	✓				
11	19-6-21	Basic programs based on C such as Printing Message	✓				
12	21-6-21	Adding two numbers, Interest calculations	✓				
13	23-6-21	Use of subroutines, math function	✓				
14	24-6-21	C tokens, Keywords and Identifiers,	✓				
15	25-6-21	Operators & their precedence, Assignment statement.	✓				
16	26-6-21	Declaration of Variables, Declaration of Storage Class	✓				
Unit-III		Operators, Expression and Input-Output operation					
17	28-6-21	Operators, Types of Operators: Arithmetic, Relational	✓				
18	29-6-21	Assignment, Increment-decrement	✓				
19	30-6-21	Logical operator Assignment, Conditional operator	✓				
20	01/07/21	Bitwise operator, Special operator	✓				
21	02-7-21	Evaluation of Expression	✓				
22	03-7-21	Precedence of Arithmetic Operators	✓				
23	05-7-21	Input-Output Operation: Reading and Writing Character	✓				
24	07-7-21	Formatted Input, Formatted Output.	✓				

	Unit - IV	C Control constructs		
25	8-7-21	Decision-making using if, if-else		
26	9-7-21	Nested if, else if ladder		
27	10-7-21	switch-case statement		
28	12-7-21	Operator, Goto Operator		
29	13-7-21	Loops using for, while, do-while statements		
30	14-7-21	break and continue statements		
31	15-7-21	Jumps in loop		
32	16-7-21	Concise Test Expressions		
	Unit - V	Array, Strings and Structures		
33	17-7-21	Introduction to array, One Dimensional Array: Declaration & Initialization,		
34	19-7-21	Two Dimensional: Declaration & Initialization, Multi Dimensional,		
35	20-7-21	Strings: Declaration and Initialization, Reading String from terminal, Writing String to Screen		
36	22-7-21	Putting Strings together, Comparison of Two Strings		
37	23-7-21	String-Handling Functions		
38	24-7-21	Table of Strings, Other features of String,		
39	26-7-21	Structures - Define, Declaration		
40	28-7-21	Accessing the members of a structure		
	Unit - VI	User Defined Functions, Pointers and File Management		
41	29-7-21	Functions, Need for User defined Functions		
42	30-7-21	Multi Function Program, Elements of User Defined Functions		
43	31-7-21	Return Values and their types, Function Calls		
44	02/08/21	Function Declaration, and Categories of Functions		
45	04-8-21	Definition and uses of pointers, Accessing the address of a variable,		
46	05-8-21	Introduction to File Management		
47	6-8-21	Defining and Opening File, Closing File, Input/output Operations on File.		
48	7-8-21	Input/output Operations on File.		

AY:- 2018-19 2020-21

Comencement Date - 20-1-21

Execution Plan

Name of Faculty :- Prof. P. P. Thosare			Semester:- I	
Subject: <u>Basic Electrical Engineering</u>			Section : H	
Subject Code:- 1B3			Remark	
Sr. No.	Date	Topics	Sign of Faculty	Remark
1	20-1-21	Importance of subject & Introduction to syllabus		
Unit - I: Fundamentals				
2	21-1-21	Basic concept of voltage, current, Power and energy their relationships with each other.		
3	21-1-21	Resistance, resistivity, conductance, conductivity, Ohm's Law		
4	22-1-21	Temperature effect on resistance, Temperature coefficient of resistance		
5	23-1-21	Numerical on Temperature coefficient of resistance.		
6	24-1-21	Series & Parallel circuits		
7	24-1-21	Numerical on Series & Parallel circuits		
8	27-1-21	Delta - Star & Star-Delta transformation		
9	28-1-21	Numerical on Star Delta transformation		
10	29-1-21	Kirchhoff's laws (KCL & KVL)		
11	30-1-21	Superposition Theorem		
12	31-1-21	Thevenin's Theorem		
13	2-2-21	Numericals on Superposition & Thevenin's Theorem		
Unit-II: Magnetic Circuit & Electromagnetism				
14	4-2-21	Basic concepts of Magnetic flux, Flux density, MMF, Reluctance, Magnetic field intensity & their		
15	5-2-21	Magnetic Leakage & Fringing of flux		
16	6-2-21	Series & Parallel magnetic circuit		
17	6-2-21	Series & Parallel magnetic circuit with air gap		
18	9-2-21	Series & Parallel magnetic circuit without air gap		
19	9-2-21	Numerical on series magnetic circuit		
20	10-2-21	Principles of electromagnetic induction, Self and mutual induction		
21	11-2-21	Magnetization curves		
Unit - III : AC fundamentals				
22	12-2-21	RMS and average values, Form factor, peak factor		

	13-2-21	Purely resistive, inductive & capacitive circuit	<input checked="" type="checkbox"/>
	14-2-21	Single phase AC Series circuit with resistance, inductance & Capacitance	<input checked="" type="checkbox"/>
25	16-2-21	Numericals on RLC series circuit.	<input checked="" type="checkbox"/>
26	17-2-21	Phasor diagrams for series circuit & Series resonance	<input checked="" type="checkbox"/>
27	18-2-21	Impedance triangle, Active & reactive power.	<input checked="" type="checkbox"/>
28	19-2-21	Resonance in Series R-L-C Circuit and Numericals	<input checked="" type="checkbox"/>
		Unit - IV : Polyphase Circuit	
29	20-2-21	Generation of three phase EMF,	<input checked="" type="checkbox"/>
30	20-2-21	3 Phase Balanced Delta and Star connected system.	<input checked="" type="checkbox"/>
31	23-2-21	Voltage and Current relationship between phase and line quantities for star connection	<input checked="" type="checkbox"/>
32	24-2-21	Numerical on three phase star connected system	<input checked="" type="checkbox"/>
33	25-2-21	Voltage and Current relationship between phase and line quantities for Delta connection	<input checked="" type="checkbox"/>
34	26-2-21	Numerical on three phase Delta connected system	<input checked="" type="checkbox"/>
		Unit - V : Electrical Machines	
35	27-2-21	A) Single phase Transformer:	
36	28-2-21	Principle of operation	<input checked="" type="checkbox"/>
37	2-3-21	Construction & Classification	<input checked="" type="checkbox"/>
38	3-3-21	EMF equation, losses, efficiency, Regulation of Transformer	<input checked="" type="checkbox"/>
39	4-3-21	Numericals on efficiency, regulation of transformer	<input checked="" type="checkbox"/>
40	5-3-21	B) Electromechanical Energy Conversion:	
41	5-3-21	Construction & various parts of DC machines	<input checked="" type="checkbox"/>
42	6-3-21	Classification of DC machines	<input checked="" type="checkbox"/>
43	11-3-21	Characteristics & applications of DC machines	<input checked="" type="checkbox"/>
		Unit - VI : Electrical Apparatus & Safety	
44	16-3-21	Measurement of current & voltage	
45	18-3-21	(Ammeter & Voltmeter)	<input checked="" type="checkbox"/>
46	19-3-21	Measurement of power & energy	<input checked="" type="checkbox"/>
47	20-3-21	Wattmeter	<input checked="" type="checkbox"/>
48	23-3-21	Energy- meter	<input checked="" type="checkbox"/>
49	24-3-21	Range extension of Ammeter, Voltmeter,	<input checked="" type="checkbox"/>
50	25-3-21	Necessity of Earthing, Limiting values for various installation,	<input checked="" type="checkbox"/>
51	27-3-21	Types of Earthing	<input checked="" type="checkbox"/>
52	30-3-21	Pipe earthing	<input checked="" type="checkbox"/>
53	31-3-21	Plate earthing	<input checked="" type="checkbox"/>

2020-21
ISE (E)

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

AY:	2020-21			
Name of Faculty:	Prof. DR. K. D. Umaley			
Subject:	ENGG-CHEMISTRY	Subject Code: 1B2	Section: E	
S.No.	Date	Topics	Signiture	Remark
1		UNIT 1: Water Technology and analysis		
	20.1.21	Introduction, Hardness of water, Types of hardness - temporary & permanent hardness, Units of Hardness and their inter-conversion	R	
	20.1.21	Hardness determination by EDTA method	R	
	21.1.21	Disadvantages of hard of water, Boiler troubles: Scale and Sludge formation, Caustic embrittlement,	R	
	22.1.21	Priming & Foaming, Boiler corrosion	R	
	22.1.21	Zeolite process and Reverse Osmosis (RO)	R	
	23.1.21	Softening of hard water by Ion exchange process & its regeneration	R	
	24.1.21	Numerical Problem based on Hardness of water	R	
	24.1.21	Numerical Problem based on Zeolite process	R	
2		UNIT 2: Corrosion and Energy storage system		
	28.1.21	Introduction of corrosion, Dry and its mechanism	R	
	29.1.21	Wet corrosion and its mechanism	R	
	30.1.21	Pitting, waterline and inter-granular corrosion	R	
	04.2.21	Galvonic and stress corrosion	R	
	05.2.21	Role of design and material selection in corrosion control	R	
	06.2.21	Anodic and cathodic protection, Hot dipping (Galvanizing and tinning processes)	R	
	09.2.21	Basic principles of batteries & their types,	R	
	10.2.21	Construction, working and application of lithium-ion battery, Ni-Cd battery.	R	
3		UNIT 3: Engineering Materials		
	11.2.21	Introduction of Portland cement, Raw materials for the manufacturing of portland cement.	R	
	12.2.21	Manufacturing of portland cement by wet Process	R	
		Properties of cement- Setting and hardening		
	13.2.21	Heat of hydration and soudness of cement	R	
	16.2.21	Introductuion of Lubricants and its classification, Machanism of Lubrication	R	
	18.2.21	Testing of lubricants for viscosity and viscosity index, flash and fire point	R	
	19.2.21	Industrial Material: Definition, properties and Applications of ceramics & refractories.	R	

	20.2.21	Industrial Material: Definition, properties and Applications of thermal insulating material and Nanomaterial	R	
4		UNIT 4: Energy Science		
	23.2.21	Introduction of Fuels and its classification, Calorific value and its type- net and gross calorific value	R	
	24.2.21	Proxiamte and its significance	R	
	25.2.21	Ultimate analysis and its significance	R	
	26.2.21	Cracking of petroleum fractions, Use of gasoline and diesel in internal combustion engines	R	
	27.2.21	Knocking, chemical constitution and knocking properties, octane and cetane number	R	
	28.2.21	Numerical based on combustion	R	
	02.3.21	Numerical based on combustion	R	
	03.3.21	Numerical based on combustion	R	
5		UNIT 5: Polymer Chemistry		
	04.3.21	Introduction, Classification of polymer on the basis of their structure	R	
		Method of polymerization	R	
	05.3.21	Free radical, Cationic and Anionic mechanism of polymerization	R	
		Thermosetting and thermoplastic resin	R	
	06.3.21	Preparation, properties and uses of PVC, Teflon,	R	
	11.3.21	Preparation, properties and uses Bakelite, Introduction	R	
	12.3.21	of Natural rubber, vulcanization of rubber	R	
	13.3.21	Preparation, properties and uses of synthetic rubber- styrene, nitrile and butyl rubber	R	
	16.3.21	Biodegradable polymers: properties and applications,	R	
	18.3.21	Conducting polymers: Introduction, types of conducting polymer and their examples	R	
6		UNIT 6: Phase rule & Spectrophotometric techniques		
	19.3.21	Phase rule, Explanation of the terms: Phase, Components and Degree of Freedom	R	
	20.3.21	Application of Phase rule to One Component System (Water System),	R	
	23.3.21	Condensed phase rule and its application to two component system (Bi-Cd).	R	
		Principles and instrumentation of spectrophotometry	R	
	24-25	U.V and.IR spectroscopy	R	
	27.3.21	Principle & instrumentation of NMR spectroscopy	R	
	30.3.21	Surface characterization technique: X-ray diffraction	R	

AY:- 2020-21		Execution Plan		Commencement	
Name of Faculty :- Prof. Dr. N. S. Ingale				Date 20-01-2021	
Subject: Engineering Physics		Semester - I		Subject Code: AE1114 Section: A	
Sl. No.	Date	Topics	Sign off	Remark	
1	20/1/21	Introduction	well		
2	21/01/21	Formation of energy band	well		
3	22/01/21	Classification of solid on the basis of energy band gap	well		
4	23/01/21	Fermi level in intrinsic, P and N type semiconductor	well		
5	24/01/21	Effect of temperature and impurity on Fermi level	well		
6	27/01/21	Fermi level equation for intrinsic semiconductor	well		
7	28/01/21	Conductivity Equation, Problems	well		
8	29/01/21	Law of mass action and Charge neutrality equation	well		
9	30/01/21	Hall effect	well		
10	04/02/21	Problems	well		
11	05/02/21	Properties of photon	well		
12	06/02/21	De Broglie's hypothesis and equation	well		
13	09/02/21	Compton effect and its characteristics	well		
14	10/02/21	Compton shift Equation	well		
15	11/02/21	Problems	well		
16	12/02/21	Heisenberg's Uncertainty principle	well		
17	13/02/21	Energy-time equation	well		
18	16/02/21	Applications of Uncertainty principle	well		
19	17/02/21	Problems	well		
20	18/02/21	Basic concepts of electric and magnetic field	well		
21	19/02/21	Motion of electron in transversed electric field	well		
22	20/02/21	Motion of electron in transversed magnetic field	well		
23	23/02/21	deflection of electron confined to a small region	well		
24	24/02/21	motion of e- in cross electric and magnetic field	well		
25	25/02/21	Positive Rays, Bainbridge mass spectrograph	well		
26	26/02/21	CRO:Block diagram, its working and applications	well		
27	27/02/21	Problems	well		
28	28/02/21	Interference:Thin film due to reflected light	well		
29	02/03/21	Newton's ring	well		
30	03/03/21	Applications of Newton's rings	well		
31	04/03/21	Diffraction:Theory and Grating equation	well		
32	05/03/21	Problems	well		
33	06/03/21	FIBER OPTICS : Construction and principle	well		
34	11/03/21	Acceptance angle and NA	well		
35	12/03/21	Types of Optical fiber	well		
36	13/03/21	Attenuation,Advantages and applications	well		
37	16/03/21	Problems	well		
38	18/03/21	Laser: Properties,Applications	well		
39	19/03/21	Absorption, spontaneous and stimulated emission	well		
40	20/03/21	Metastable state, Pumping, Three level laser	well		
41	23/03/21	Ruby laser	well		
42	24/03/21	Acoustics of Buildings: reverberation, Sabine's Eqn.	well		
43	25/03/21	Basic Requirements for Acoustically Good Hall	well		
44	27/03/21	Factors affecting acoustically Good Hall	well		
45	30/03/21	Problems	well		
46	31/03/21	Continuity equation, Viscosity, Stoke's law	well		
47	01/04/21	Bernoulli's theorem	well		
48	03/04/21	Poiseuille's Equation	well		
49	05/04/21	Ultrasonics: Properties, Production of Ultrasonic	well		
50	06/04/21	Uses of Ultrasonics waves and Problems	well		

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

AY: 2020-21		Comencement Date: 20/01/21	
Name of Faculty: Prof. C.T. Pajapati		Semester: I	
Subject: Engineering Mechanics		Section: C	
Subject Code:		Sign of Faculty	
Sr.No.	Date	Topics	Remark
1	20/01/21	RESULTANT- Concept of a force	GR
2	21/01/21	RESULTANT- Moment of a force about a point and about an axis, couple	GR
3	22/01/21	RESULTANT- Resolution and compositions of coplanar force system.	GR
4	23/01/21	RESULTANT- Reduction of system of forces into a force and a couple equivalent force system.	GR
5	24/01/21	EQUILIBRIUM- Free-body diagrams, equations of equilibrium	GR
6	24/01/21	EQUILIBRIUM- Problems of equilibrium involving co-planar force system acting on a particle	GR
7	27/01/21	EQUILIBRIUM- Rigid body and system of rigid bodies	GR
8	28/01/21	EQUILIBRIUM- Problems of equilibrium of non-coplanar concurrent force system	GR
9	29/01/21	TRUSS- Analysis of simple plane trusses	GR
10	30/01/21	TRUSS- Method of joints	GR
11	04/02/21	TRUSS- Method of sections	GR
12	05/02/21	TRUSS- Analysis of frames involving ideally connected members.	GR
13	06/02/21	FRICTION- Coulomb's law of friction	GR
14	09/02/21	FRICTION- Problems on Friction	GR
15	10/02/21	FRICTION- Static belt friction	GR
16	11/02/21	FRICTION- Wedge friction	GR
17	12/02/21	CENTROID- First moment of an area and centroid	GR
18	13/02/21	CENTROID- Second moment of an area	GR
19	16/02/21	CENTROID- Centroid	GR
20	17/02/21	CENTROID- Product of area	GR
21	18/02/21	CENTRE OF GRAVITY- Transfer theorems, polar moment of inertia	GR
22	19/02/21	CENTRE OF GRAVITY- Radius of gyration	GR
23	20/02/21	CENTRE OF GRAVITY- Definition of principle axes and principle moment of inertia.	GR
24	23/02/21	KINEMATICS- Definitions of displacement, velocity and acceleration and their relations	GR
25	24/02/21	KINEMATICS- Rectilinear motion under variable & constant accelerations	GR
26	25/02/21	KINEMATICS- Motion curves	GR
27	26/02/21	KINEMATICS- Simple relative motion between two particles	GR
28	27/02/21	KINEMATICS- Curvilinear motion using rectangular coordinates	GR
29	28/02/21	KINEMATICS- Normal and tangential components	GR

Number

30	02/03/21	KINEMATICS- Kinematics of rigid body motion in rectilinear translation	GR
31	03/03/21	KINEMATICS- Rotation about a fixed axis and plane motion	GR
32	04/03/21	KINETICS- Kinetics of rectilinear and circular motion of a particle acted upon by constant force system	GR
33	05/03/21	KINETICS- Kinetics of rectilinear and circular motion of a particle acted upon by variable force system	GR
34	06/03/21	KINETICS- D'Alembert's principle	GR
35	11/03/21	KINETICS- Concept of dynamic equilibrium	GR
36	12/03/21	KINETICS- Rectilinear motion of several interconnected particles	GR
37	13/03/21	KINETICS- Kinetics of rigid body rectilinear translation	GR
38	16/03/21	KINETICS- Rotation about a fixed axis of rigid body	GR
39	18/03/21	WORK, POWER and ENERGY- Work-energy equation for motion of a particle	GR
40	19/03/21	WORK, POWER and ENERGY- Problems on motion of a particle	GR
41	20/03/21	WORK, POWER and ENERGY- System of particles	GR
42	23/03/21	WORK, POWER and ENERGY- Work energy equation for rigid bodies rectilinear translation	GR
43	24/03/21	LINEAR IMPULSE- Linear impulse, linear momentum, momentum equation for a particle and a system of particles	GR
44	27/03/21	LINEAR IMPULSE- Collision of two particles	GR
45	31/03/21	LINEAR IMPULSE- Coefficient of restitution	GR

Arampuri

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

Execution Plan

AY:- 2020-21		Comencement Date		
Name of Faculty :- Prof. J.P. Morey		Semester:- I		
Subject: Engg. Graphics		Section:- H		
		Subject Code:- 104		
Sr. No.	Date	Topics	Sign of Faculty	Remark
Unit 1 - Introduction to Engineering Drawing and Projection				
1	20/1/21	Introduction to engineering instruments, concept of dimension and scale, geometric construction	[Signature]	
2	21/1/21	Projection of points by 1st angle method	[Signature]	
3	25/1/21	Projection of points by 3rd angle method	[Signature]	
4	27/1/21	Projection of line by 1st angle method & 3rd angle method	[Signature]	
5	29/1/21	Projection of line by 1st and 3rd angle method (Inclined to one plane)	[Signature]	
6	1/2/21	Projection of line inclined to both plane.	[Signature]	
7	2/2/21	Projection of plane (By using different type of plane)	[Signature]	
8	3/2/21	Projection of plane (By using auxiliary plane method)	[Signature]	
Unit 2 - Projection of Solids				
9	4/2/21	Introduction	[Signature]	
10	5/2/21	Projection of Prism (By using different resting conditions)	[Signature]	
11	9/2/21	Projection of Prism (By using different resting conditions)	[Signature]	
12	11/2/21	Projection of Pyramid (By using different resting conditions)	[Signature]	
13	12/2/21	Projection of Pyramid (By using different resting conditions)	[Signature]	
14	15/2/21	Projection of Cone (By using different resting conditions)	[Signature]	
15	16/2/21	Projection of Cylinder (By using different resting conditions)	[Signature]	
Unit 3 - Section of Solids				
16	22/2/21	Introduction	[Signature]	
17	25/2/21	Section of prism by different cutting plane (Using different resting conditions)	[Signature]	
18	26/2/21	Section of prism by different cutting plane (By using different resting conditions)	[Signature]	
19	1/3/21	Section of pyramid by different cutting plane (By using different resting conditions)	[Signature]	
20	2/3/21	Section of pyramid by different cutting plane (By using different resting conditions)	[Signature]	
21	3/3/21	Section of cone by different cutting plane (By using different resting conditions)	[Signature]	
22	4/3/21	Section of cylinder by different cutting plane (By using different resting conditions)	[Signature]	

Sr. No.	Date	Topics	Sign of Faculty	Remark
Unit 4 - Orthographic Projection				
23	5/3/21	Introduction		
24	8/3/21	Problems on orthographic projection by first angle method		
25	9/3/21	Problems on orthographic projection by first angle method		
26	10/3/21	Problems on orthographic projection by first angle method		
27	15/3/21	Problems on orthographic projection by third angle method		
28	18/3/21	Problems on orthographic projection by third angle method		
29	22/3/21	Problems on orthographic projection by third angle method		
Unit 5 - Isometric Views and Projection				
30	26/3/21	Introduction		
31	30/3/21	Problems on isometric views		
32	31/3/21	Problems on isometric views		
33	1/4/21	Problems on isometric views		
34	5/4/21	Problems on isometric views		
35	7/4/21	Problems on isometric projection		
36	9/4/21	Problems on isometric projection		
37	10/4/21	Problems on isometric projection		
Unit 6 - Introduction to CAD software				
38	12/4/21	Introduction		
39	15/4/21	Drafting environment and screen		
40	16/4/21	Coordinate systems		
41	17/4/21	Editing commands		
42	19/4/21	Drafting of basic geometrical shapes		
43	22/4/21	Display commands and dimension command		
44	23/4/21	CAD software customization		

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

AY:- 2020-21				Semester:- I
Name of Faculty :- D. G. More		Subject Code:- IA1/11945		Section : E
Subject:	Engg. Mathematics-I		Sign of Faculty	Remark
Sr. No.	Date	Topics		
1	08/02	Unit 1:-Introduction of syllabus & university Examination Pattern.	DW	
2	09/02, 10/02	Successive differentiation	DW	
3	11/02, 17/02	Leibnitz's theorem	DW	
4	18/02	Roll's Theorem	DW	
5	22/02, 24/02	Mean value theorem	DW	
6	25/02	Expansion of a function by using Taylor's theorem.	DW	
7	26/02	Expansion of a function by using Maclaurin's theorem.	DW	
8	01/03, 02/03	Indeterminate form 1	DW	
9	03/03	Unit 2:-Introduction of partial differentiation	DW	
10	04/03, 05/03	Partial differentiation 1.	DW	
11	08/03	Total differential coefficients 1.	DW	
12	09/03	Exact differential.	DW	
13	10/03	Euler's theorem on homogeneous function 1.	DW	
14	12/03	Euler's theorem on homogeneous function 2.	DW	
15	15/03	Maxima and Minima of a function 1	DW	
16	16/03, 17/03	Maxima and Minima of a function 2	DW	
17	18/03	Unit 3:-Introduction of Complex Number	DW	
18	19/03	Demoiver's theorem.	DW	
19	22/03	Application of Demoiver's theorem 1.	DW	
20	23/03	Application of Demoiver's theorem 2.	DW	
21	24/03	Hyperbolic and Inverse hyperbolic function 1.	DW	
22	25/03	Hyperbolic and Inverse hyperbolic function 2.	DW	
23	26/03, 27/03	Separation of real and Imaginary parts 1.	DW	
24	28/03	Logarithm of Complex number 1.	DW	
25	30/03, 31/03	Unit 4:-Introduction First order and first degree in various forms, Variable separable	DW	
26	01/04	Homogeneous differential equation.	DW	
27	02/04	Reducible to Homogeneous differential equation.	DW	
28	03/04	Exact differential equation.	DW	
29	05/04, 06/04	Reducible to Exact differential equation.	DW	
30	07/04	Linear differential equation.	DW	
31	08/04	Reducible to Linear differential equation.	DW	
32	09/04	Methods of Substitution.	DW	
33	12/04	Unit 5:-Introduction of differential equation of first order and higher degree.	DW	
34	13/04	Solvable for P 1.	DW	
35	14/04	Solvable for P 2.	DW	
36	15/04	Solvable for Y 1.	DW	
37	16/04	Solvable for Y 2	DW	
38	18/04	Solvable for X	DW	
39	19/04	Application of D.E of first order and higher degree to the Problem on orthogonal trajectories 1.	DW	
40	20/04	Application of D.E of first order and higher degree to the Problem on Electrical Engineering 1.	DW	

41	21/04	Unit 6:-Introduction of Sequences and Series	Du	
42	22/04	Convergence of sequences and series	Du	
43	23/04	Test for convergence	Du	
44	26/04	Comparison Test	Du	
45	27/04	Ratio Test	Du	
46	28/04	Root Test	Du	
47	29/04	Raabe's Test	Du	
48	30/04	Range of Convergence	Du	

Lesson Execution Plan

AY- 2020-21		Name of Faculty :- Prof. Dr. D.V. Kapsc		Subject :- Mathematics-II		Subject Code :- 111/1/1949		Semester :- I	
Date		Topics		Sign of Faculty		Remarks			
1	20/01/21	Unit I : introduction to matrix		[Signature]					
2	21/01/21	partitioning method for inverse							
3	22/01/21	Rank of the matrix							
4	23/01/21	Rank and Nullity Theorem							
5	24/01/21	Solutions of simultaneous equations by matrix method.							
6	27/01/21	Characteristic equation, eigen values							
7	28/01/21	eigen vectors							
8	29/01/21	Cayley Hamilton Theorem to find inverse							
9	30/01/21	Unit II : Introduction to Fourier series and it's uses.							
10	31/01/21	Fourier series for periodic function in the range $(C,C+2L)$							
11	03/02/21	Fourier series in the range $(C,C+2L)$							
12	04/02/21	Half range fourier sine series.							
13	05/02/21	half range fourier cosine series.							
14	06/02/21	Parseval's Theorem							
15	09/02/21	Harmonic Analysis: introduction							
16	10/02/21	Problems on Harmonic Analysis							
17	11/02/21	Unit III : Introduction to reduction formulae							
18	12/02/21	Reduction formulae							
19	13/02/21	Reduction formulae							
20	16/02/21	Gamma function and its properties							
21	17/02/21	Gamma function - examples							
22	18/02/21	Beta function and its properties							
23	19/02/21	Examples of Beta function							
24	20/02/21	Relation between Beta and Gamma Function							
25	23/02/21	Unit IV : Rules of Differentiation under Integral sign when limit's are constant							
26	24/02/21	Rules of Differentiation under Integral sign when limit's are Parameter							
27	25/02/21	Tracing of curve in cartesian coordinates.							
28	26/02/21	Tracing of curve in polar coordinates.							
29	27/02/21	Tracing of curve in polar and parametric form							
30	28/02/21	Rectification in cartesian coordinates							
31	02/03/21	Rectification in cartesian coordinates							
32	03/03/21	Rectification in polar coordinate							
33	04/03/21	Unit V : Introduction to Double integration.							
34	05/03/21	Double integration in polar coordinates							
35	06/03/21	Change the order of integration							
36	11/03/21	Change the order of integration							
37	12/03/21	Changing from cartesian to polar coordinates.							
38	13/03/21	Changing from cartesian to polar coordinates.							
39	15/03/21	Evaluation of Area by Double Integration							
40	18/03/21	Evaluation of Area by Double Integration							

41	19/03/21	Unit VI : Introduction and meaning of triple integration		
42	20/03/21	Triple integration in cartesian coordinates	DE	
43	23/03/21	Triple integration in cartesian coordinates.	DE	
44	24/03/21	Triple integration in spherical polar coordinates.	DE	
45	25/03/21	Volume of solid by triple integration.	DE	
46	27/03/21	Volume of solid by triple integration.	DE	
47	30/03/21	Introduction to mean and R.M.S values.	DE	
48	31/03/21	Mean values and R.M.S values.	DE	

AY:- 2018-19 2020-21

Comencement Date - 7-6-21

Name of Faculty :- Prof. P. P. Thosare

Execution Plan

Semester:- II

Subject: **Basic Electrical Engineering**

Subject Code:- 1B3

Section : B

Sr. No.	Date	Topics	Sign of Faculty	Remark
1	7-6-21	Importance of subject & Introduction to syllabus		
		Unit - I: Fundamentals		
2	8-6-21	Basic concept of voltage, current, Power and energy their relationships with each other.		
3	9-6-21	Resistance, resistivity, conductance, conductivity, Ohm's Law		
4	10-6-21	Temperature effect on resistance, Temperature coefficient of resistance		
5	10-6-21	Numerical on Temperature coefficient of resistance.		
6	11-6-21	Series & Parallel circuits		
7	12-6-21	Numerical on Series & Parallel circuits		
8	14-6-21	Delta - Star & Star-Delta transformation		
9	16-6-21	Numerical on Star Delta transformation		
10	17-6-21	Kirchhoff's laws (KCL & KVL)		
11	19-6-21	Superposition Theorem		
12	21-6-21	Thevenin's Theorem		
13	23-6-21	Numericals on Superposition & Thevenin's Theorem		
		Unit-II: Magnetic Circuit & Electromagnetism		
14	24-6-21	Basic concepts of Magnetic flux, Flux density, MMF, Reluctance, Magnetic field intensity & their		
15	25-6-21	Magnetic Leakage & Fringing of flux		
16	26-6-21	Series & Parallel magnetic circuit		
17	28-6-21	Series & Parallel magnetic circuit with air gap		
18	28-6-21	Series & Parallel magnetic circuit without air gap		
19	29-6-21	Numerical on series magnetic circuit		
20	30-6-21	Principles of electromagnetic induction, Self and mutual induction		
21	1-7-21	Magnetization curves		
		Unit - III : AC fundamentals		
22	2-7-21	RMS and average values, Form factor, peak factor		

	3-7-21	Purely resistive, inductive & capacitive circuit	SH
	5-7-21	Single phase AC Series circuit with resistance, inductance & Capacitance	SH
	5-7-21	Numericals on RLC series circuit.	SH
26	7-7-21	Phasor diagrams for series circuit & Series resonance	SH
27	8-7-21	Impedance triangle, Active & reactive power.	SH
28	9-7-21	Resonance in Series R-L-C Circuit and Numericals	SH
		Unit - IV : Polyphase Circuit	
29	10-7-21	Generation of three phase EMF.	SH
30	12-7-21	3 Phase Balanced Delta and Star connected system,	SH
31	13-7-21	Voltage and Current relationship between phase and line quantities for star connection	SH
32	14-7-21	Numerical on three phase star connected system	SH
33	15-7-21	Voltage and Current relationship between phase and line quantities for Delta connection	SH
34	16-7-21	Numerical on three phase Delta connected system	SH
		Unit - V : Electrical Machines	
35	17-7-21	A) Single phase Transformer:	SH
36	19-7-21	Principle of operation	SH
37	20-7-21	Construction & Classification	SH
38	22-7-21	EMF equation, losses, efficiency, Regulation of Transformer	SH
39	23-7-21	Numericals on efficiency, regulation of transformer	SH
40	24-7-21	B) Electromechanical Energy Conversion:	SH
41	25-7-21	Construction & various parts of DC machines	SH
42	28-7-21	Classification of DC machines	SH
43	29-7-21	Characteristics & applications of DC machines	SH
		Unit - VI : Electrical Apparatus & Safety	
44	30-7-21	Measurement of current & voltage	SH
45	31-7-21	(Ammeter & Voltmeter)	SH
46	2-8-21	Measurement of power & energy	SH
47	3-8-21	Wattmeter & Energy-meter	SH
48	4-8-21	Range extension of Ammeter, Voltmeter,	SH
49	5-8-21	Necessity of Earthing, Limiting values for various installation,	SH
50	7-8-21	Types of Earthing (Pipe earthing & Plate earthing)	SH

2020-21
Sem II (K)

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

AY:	2020-21			
Name of Faculty:	Prof. DR. K. D. Dmaley			Sem-II
Subject:	ENGG. CHEMISTRY	Subject Code:	1B2	Section: K
S.No.	Date	Topics	Signature	Remark
1		UNIT 1: Water Technology and analysis		
	07.6.21	Introduction, Hardness of water, Types of hardness - temporary & permanent hardness, Units of Hardness and their inter-conversion	R	
	08-6-21	Hardness determination by EDTA method	R	
	08-6-21	Disadvantages of hard of water, Boiler troubles: Scale and Sludge formation, Caustic embrittlement,	R	
	09-6-21	Priming & Foaming, Boiler corrosion	R	
	10.6.21	Zeolite process and Reverse Osmosis (RO)	R	
	11.6.21	Softening of hard water by Ion exchange process & its regeneration	R	
	11.6.21	Numerical Problem based on Hardness of water	R	
	14.6.21	Numerical Problem based on Zeolite process	R	
2		UNIT 2: Corrosion and Energy storage system		
	16.6.21	Introduction of corrosion, Dry and its mechanism	R	
	17.6.21	Wet corrosion and its mechanism	R	
	19.6.21	Pitting, waterline and inter-granular corrosion	R	
	21.6.21	Galvonic and stress corrosion	R	
	23.6.21	Role of design and material selection in corrosion control	R	
	25.6.21	Anodic and cathodic protection, Hot dipping(Galvanizing and tinning processes)	R	
		Basic principles of batteries & their types,	R	
	26.6.21	Construction, working and application of lithium- ion battery, Ni-Cd battery.	R	
3		UNIT 3: Engineering Materials		
	28.6.21	Introduction of Portland cement, Raw materials for the manufacturing of portland cement.	R	
	29.6.21	Manufacturing of portland cement by wet Process	R	
		Properties of cement- Setting and hardening	R	
	30.6.21	Heat of hydration and soudness of cement	R	
	01.7.21	Introductuion of Lubricants and its classification,	R	
	02.7.21	Machanism of Lubrication	R	
	03.7.21	Testing of lubricants for viscosity and viscosity index, flash and fire point	R	
	05.7.21	Industrial Material: Definition, properties and Applications of ceramics & refractories.	R	

	07-7-21	Industrial Material: Definition, properties and Applications of thermal insulating material and Nanomaterial	L	
4		UNIT 4: Energy Science		
	08-7-21	Introduction of Fuels and its classification, Calorific value and its type- net and gross calorific value	R	
	09-7-21	Proxiamte and its significance	R	
	10-7-21	Ultimate analysis and its significance	R	
	12-7-21	Cracking of petroleum fractions, Use of gasoline and diesel in internal combustion engines	R	
	13-7-21	Knocking, chemical constitution and knocking properties, octane and cetane number	R	
	14-7-21	Numerical based on combustion	R	
	15-7-21	Numerical based on combustion	R	
	16-7-21	Numerical based on combustion	R	
5		UNIT 5: Polymer Chemistry		
	17-7-21	Introduction, Classification of polymer on the basis of their structure	R	
	18	Method of polymerization		
	19-7-21	Free radical, Cationic and Anionic mechanism of polymerization	R	
		Thermosetting and thermoplastic resin		
	20-7-21	Preparation, properties and uses of PVC, Teflon,	R	
	22-7-21	Preparation, properties and uses Bakelite, Introduction	R	
	23-7-21	of Natural rubber, vulcanization of rubber	R	
	24-7-21	Preparation, properties and uses of synthetic rubber- styrene, nitrile and butyl rubber	R	
	26-7-21	Biodegradable polymers: properties and applications,	R	
	28-7-21	Conducting polymers: Introduction, types of conducting polymer and their examples	R	
6		UNIT 6: Phase rule & Spectrophotometric techniques		
	29-7-21	Phase rule, Explanation of the terms: Phase, Components and Degree of Freedom	R	
	30-7-21	Application of Phase rule to One Component System (Water System),	R	
	31-7-21	Condensed phase rule and its application to two component system (Bi-Cd).	R	
	02-8-21	Principles and instrumentation of spectrophotometry	R	
	04-8-21	U.V and.IR spectroscopy	R	
	05-8-21	Principle & instrumentation of NMR spectroscopy	R	
	06-8-21	Surface characterization technique: X-ray diffraction	R	