

Mrs. Hemlata Manvatkar
Chemistry



Bharatiya Jain Sanghatana's
Arts, Science and Commerce College,
Wagholi, Pune - 412207

Department of Chemistry

Teaching Plan for the Academic Year 2023-24

Subject: CHE-503, Organic Chemistry-I Class : MSc-I

Semester : I

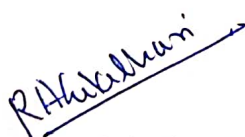
The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, You tube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S. N	Schedule	Topic	Learning Outcome	Approach(Visual / Auditory/ Kinesthetic)	Criteria Followed (A/B /C/D)	Methodology / pedagogy
1	1 st Week of July (5L)	Nature of bonding in Organic molecules Structure and bonding	Students get the knowledge about structure and bonding in organic molecules, different effects affecting strength of acid and bases in different cases, they also get knowledge about complexes and aromaticity in benzenoids and non benzenoids compounds.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPt, Oral, Group Discussion, Student Seminar, Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
2	2 nd week of July 22 (2L)	Various structural and electronic effects strength of acids and bases				
3	3 rd & 4 th Week of July 22 1 st week of August 22 (8L)	pKa and pKb EDA complexes, and cryptates, catenanes and rotaxanes, inclusion compounds, fullerenes				
4	2 nd , 3 rd , 4 th Week of August 22 (1L)	Aromaticity Benzenoids and non benzenoid compounds, aromaticity and Huckle's rule, antiaromaticity, quasi aromatic and homoaromatic compounds.				
5	1 st 2 nd & 3 rd Week of September	Application to carbocyclic and heterocyclic	Students get the knowledge about			

	22 (7L)	system, annulenes, azulene s, and fulvenes, mesoionic comp. current concepts of aromaticity	carbocyclic and heterocyclic system, aromaticity in azulenes, and other compounds. They also get knowledge of basics of stereochemistry, and nomenclature and stereochemical aspects of different compounds.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture-cum- demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
6	4 th & 5 th Week of September 22 and 1 st week October 22 (5L)	Stereochemistry origin, optical activity, chirality, conformational concepts, acyclic, cyclic molecules, stereoisomerism, enantiomeric and diastereomeric relationships, D/L, R/S, E/Z Nomenclature in C, S, N, P compounds				
7	2 nd & 3 rd week of October 22 (3L)	Topicity, optical activity in spiranes, biphenyls, allenes, stereospecific and stereoselective reactions, stability, optical activity in cis and trans decalin, elimination and addition reactions				


Subject Teacher


Head of the Department


IQAC Coordinator


Principal

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Department of Chemistry

Teaching Plan for the Academic Year 2023-24

**Subject: CHO-351, Structure determination of Organic Compounds
by spectroscopic methods**

Class : MSc-II

Semester : III


The criteria to be followed while preparing the teaching plan are:

- 70% - Actual Classroom Teaching where different pedagogy can be involved
- 10 % - Online Teaching (via. Zoom, You tube, and other such platforms)
- 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- 10% - Seminar/ project work

S. N	Schedule	Topic	Learning Outcome	Approach(Visual / Auditory/ Kinesthetic)	Criteria Followed (A/B/C/D)	Methodology / pedagogy
1	1 st Week of July (5L)	Homotopic, enantiotopic, diastereotopic, protons, chemical and magnetic equivalence,	.Students get the knowledge of different types of protons in structure determination of organic molecules. order of splitting pattern, coupling constant in different molecules. Students can determine the structure of compounds by using ¹³ C NMR spectra.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPt, Oral, Group Discussion, Student Seminar, Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
2	2 nd week of July 22 (2L)	First and second order splitting, complex multiplicity patterns and coupling constant in asymmetric compounds, simplification of complex spectra				
3	3 rd & 4 th Week of July 22 1 st week of August 22 (8L)	NOE, Diastereomerism, atrop of axial chirality, ¹³ C NMR spectroscopy APT, DEPT and INEPT.				
4	2 nd , 3 rd , 4 th Week of August 22 (1L)	Problem solving on ¹³ C NMR spectroscopy.				

5	1 st 2 nd & 3 rd Week of September 22 (7L)	Chiral NMR solvents in structure elucidation, ¹⁵ N, ¹⁹ F, ³¹ P NMR spectroscopy.	Students get the information and effect of chiral solvents in NMR .By using different techniques of 2D NMR students can determine the structure of molecules as Homonuclear and Heteronuclear.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPt, Oral, Group Discussion, Student Seminar, Lecture-cum- demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
6	4 th & 5 th Week of September 22 and 1 st week October 22 (5L)	2D NMR spectroscopy homonuclear COSY, TOCSY, 2D INADEQUATE, 2D ADEQUATE, NOESY, R OESY				
7	2 nd & 3 rd week of October 22 (3L)	Heteronuclear HSQC, HMQC, HMBC				


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Department of Chemistry

Teaching Plan for the Academic Year 2023-24

Subject: CHO-353(B): Designing Organic Syntheses and Heterocyclic Chemistry
Class : MSc.II Semester : II

The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S N	Schedule	Topic	Learning Outcome	Approach(Vis ual / Auditory/ Kinesthetic)	Crite ria Follo wed (A/B/ C/D)	Methodology / pedagogy
1	1 st 2 nd Week of Decemb er 23 [4 L]	1. Systematic nomenclature (Hantzsch-Widman System) for monocyclic, fused and bridged heterocycles. Tautomerism in aromatic heterocycles. Strain-bond angle, torsional strains and their consequences in small ring heterocycles.	The topics help in understanding the basic concepts of nomenclature, nam ing system for different heteroatoms, helps to assign number system to fused bridged system. understand ing the meaning of strain and how strain is created in molecules.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture-cum- demonstration Constructive approach: powerpoint presentation. stud y by using models

2	3 rd & 4 th week of December 23 [4 L]	2. General chemical behaviour of heterocyclic compounds and their applications in: Biological systems (Anthocyanins, Flavones, Neurotransmitters), Natural Products (Alkaloids: Nicotin, Quinine), Drugs and Medicines (Omeprazole, Amlodipine, Cilostazol)	The topic helps to assign the structures of different biologically active compounds, their properties and structural activities to become affecting on organ system. uses of natural sources in extracting making drugs and medicines			Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture-cum-demonstration Constructive approach: powerpoint presentation. study by using models
3	1 st 2 nd 3 rd & Week of January 24 [16 L]	3. Synthesis, reactions and structural effects of heterocyclic rings a) Common Methods in Ring Synthesis of Aromatic Heterocyclic Systems: Typical ring synthesis involving C – Heteroatom, C – C bond formations, Electrocyclic processes in heterocyclic Synthesis: 1,3 -dipolar cycloadditions producing five - membered heterocycles, Nitrenes in heterocyclic synthesis, Palladium catalysis in the synthesis of Benzo - Fused heterocycles, Fischer synthesis, Epoxidation, Use of Sulphur Ylides, Azides for small rings	The topic helps to assign the synthesis of different aromatic heterocyclic compounds their synthesis, bond formation and breaking, meaning of electrocyclic, cyclo addition reaction, epoxidation, uses of ylides in synthesis of different organic compounds.			Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture-cum-demonstration Constructive approach: powerpoint presentation. study by using models
4	4 th week of January & 1 st , 2 nd 3 rd Week of February 24	b) Three and four membered heterocycles: Aziridines, Oxiranes, Thienenes, Azetidines, Oxitanes and Thietanes	Determination of physical properties, chemical properties of different ring heterocyclic	Visual Auditory Kinesthetic	A, B, C,	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture-cum-

		c) Five-membered and benzo-fused five membered heterocycles: Oxazole, Isoxazole, Thiazole, Pyrazole, Imidazole, Benzothiazole and Benzimidazole	compounds, their synthesis, their biological uses in synthesis of drugs and medicines.		D	demonstration Constructive approach: powerpoint presentation. study by using models Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, assignments, discussion on the problems and solving.
5	4 th week of March 24	d) Six membered and benzo-fused six membered heterocycles: Pyrazine, Pyridazine, Pyrimidine, Quinazoline, Quinoxaline, Aziridines, Quinoline	Determination of physical properties, chemical properties of different ring heterocyclic compounds, their synthesis, their biological uses in synthesis of drugs and medicines			Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture-cum-demonstration Constructive approach: powerpoint presentation. study by using models

Hemang
Subject Teacher

R. Akulashi
Head of the Department

Madhus
IQAC Coordinator

Prakash
Principal

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Wagholi, Pune- 412207.

Department of Chemistry

Teaching Plan for the Academic Year 2023-24

Subject: CHO-452(A): Concepts and Applications of Medicinal Chemistry
Class : M.Sc. II Semester : 2

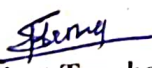
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Sr. No.	Schedule	Topic	Learning Outcome	Approach(Visual / Auditory/ Kinesthetic)	Criteria Followed (A/B/C/D)	Methodology / pedagogy
1	1 st and 2 nd Week of December 23 [8 L]	Introduction to Peptides and proteins, Proteins as biological catalyst Nucleic acids, Metabolism, Chemistry of cofactors/coenzymes, Chemistry of TPP, PLP, Folic Acid and other vitamins, Principle of drug design, Chemistry of diseases and Drug development, Proton pump inhibitors and Problem solving	Students able to define peptides, their role as a catalyst in biological system, they come to know about principles of drug design and their development,	Visual Auditory Kinesthetic	A +C+D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture cum demonstration
2	3 rd and 4 th week of December 23 [6 L]	Peptides, sequencing and applications in therapeutics, Solution phase and solid phase peptide synthesis and Modern	Students able to understand sequencing in peptide molecule, they also get idea about properties of peptide sequence their applications in	Visual Auditory Kinesthetic	A +C+D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture cum demonstration

		techniques for biomolecules and disease diagnosis	therapeutics, modern techniques for diagnosis to be understand			
3	1 st week of January 23 [4 L]	Introduction to medicinal Chemistry. History, drug targets, Drug discovery, design and development, Case Study: Design of Oxamniquine.	Students will understand drug targets, their design, and development, and different case study.	Visual Auditory Kinesthetic	A +C+D	Classroom teaching, PPt, Oral, Group Discussion, Student Seminar, Lecture cum demonstration
4	2 nd and 3 rd week of January 23 [6 L]	Pharmacokinetics and Pharmacodynamic s of drug: Drug absorption, distribution, metabolism, elimination and toxicity, drug metabolism, biotransformation, Drug receptor interactions, Hansch Equation and significance of terms involved in it.	Students can understand pharmacodynamics and different action occurring with drugs inside the body.	Visual Auditory Kinesthetic	A +C+D	Classroom teaching, PPt, Oral, Group Discussion, Student Seminar, Lecture cum demonstration
5.	1 st , 2 nd , 3 rd week of February 23 [10 L]	Structure and activity Relationship: QSAR, Applications of SAR and QSAR in drug design, physio-chemical parameters lipophilicity, partition coefficient, electronic ionization	Students will understand the relation between quantity and structure of the drug and how it affect on the physicochemical properties of drugs.			

		constant, Case Study: Statins				
6.	1 st , 2 nd , 3 rd and 4 th week of March [14 L]	Introduction, Developments, SAR, Mode of action, limitations and adverse effect of Anti-infective Agents, Beta lactam antibacterial agents (Penicillins, Cephalosporins), Tetracyclins, Macrolides, Chloramphenicol, Polyenes, Amphotrecin-B, Azoles, Amantadine, Acyclovir, Quinine, Quinolones, Refamycine, Sulphonamides	Development of a new drug molecule by modification in the previous structure. students can know about different activities of drugs by affectuin different target organs inside the human body to cure a disease.			


Subject Teacher


Head of the Department


IQAC Coordinator


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Bharatiya Jain Sanghatana's ASC College, Wagholi, Pune

Syllabus Completion Report

(2023 -2024)

Name :-Mrs.Hemlata Sanjay
Manvatkar
Dept. :-ChemistryTo,
The Principal
BJS's ASC College
Wagholi, Pune- 412207**Subject :- Syllabus completion report for the Term I of the academic year 2023 -2024 .**

Respected Sir,

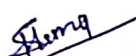
With reference to the above mentioned subject, I am submitting the syllabus completion report for your kind perusal.


Course code	Course Name	Class	Date of completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
CHE-503	Organic chemistry-I	MSc-I	30/11/2022	30	-	30	30
CHO-351	Spectroscopic Analysis of Organic compounds	MSc-II	1/11/2023	60	-	60	60
CHO-353	Designing Organic Syntheses and Heterocyclic Chemistry	MSc-II	02/11/2023	30	-	30	30

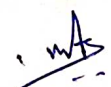
CHO-354	Practical-I Solvent Free Organic Synthesis	MSc-II	27/10/2023	120	-	180	180
CH-303	Organic chemistry practical	S.Y.BSc A batch	25/10/2023	72	-	72	72
CH-303	Organic chemistry practical	S.Y.BSc D batch	26/10/2023	72	-	72	72

Total Teaching Hours 390 Hr

The respective curricula has been completed successfully.


Sub. Teacher


HoD,


Faculty In-charge


IQAC


Principal

Coordinator
IQAC Co-ordinator
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.

Syllabus Completion Report

(2023 -2024)

Name :-Mrs.Hemlata Sanjay
Manvatkar
Dept. :-Chemistry

To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207

Subject :- Syllabus completion report for the Term II of the academic year 2023 -2024 .

Respected Sir,

With reference to the above mentioned subject, I am submitting the syllabus completion report for your kind perusal.

Course code	Course Name	Class	Date of completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
CHO-452A	Concepts and Applications of Medicinal Chemistry	MSc-II	21/04/2024	60	-	30	30
CHE-553	Organic Chemistry-II	MSc-I	6/04/2024	15	-	30	30
CHO-453A Section-II	Ternary Mixture Separation and Analysis of Compounds	MSc-II	3/04/2024	60	-	90	90
CHO-453A Section-II	Carbohydrate Synthesis and Isolation of Natural Products	MSc-II	3/04/2024	60	-	90	90

CH-403	Organic chemistry practical	S.Y.BSc 1 batch	19/03/2024	72	-	72	72
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Total Teaching Hours 267 Hr

The respective curricula has been completed successfully.

Sub. Teacher

HoD

Chemistry

Science Faculty
In-charge

IQAC

Coordinator

IQAC Co-ordinator

Bharatiya Jain Sanghatana's
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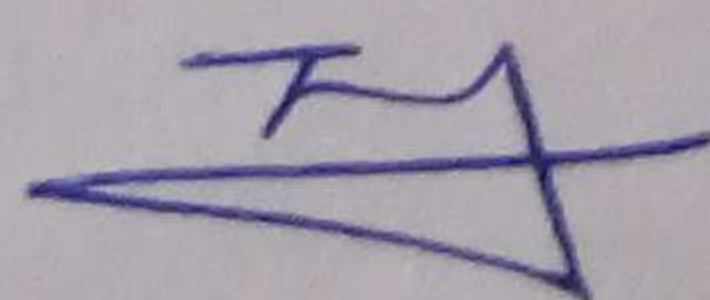
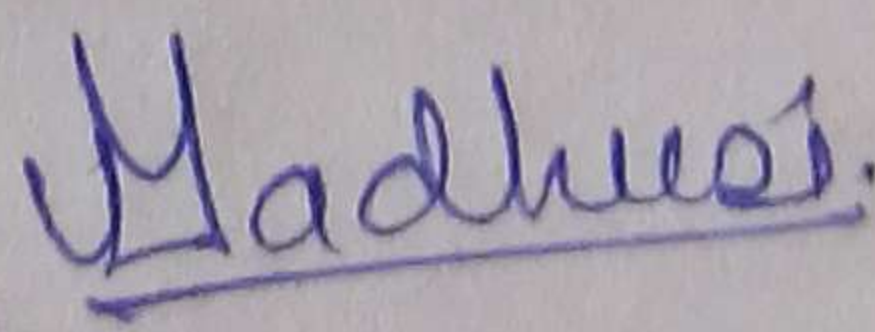
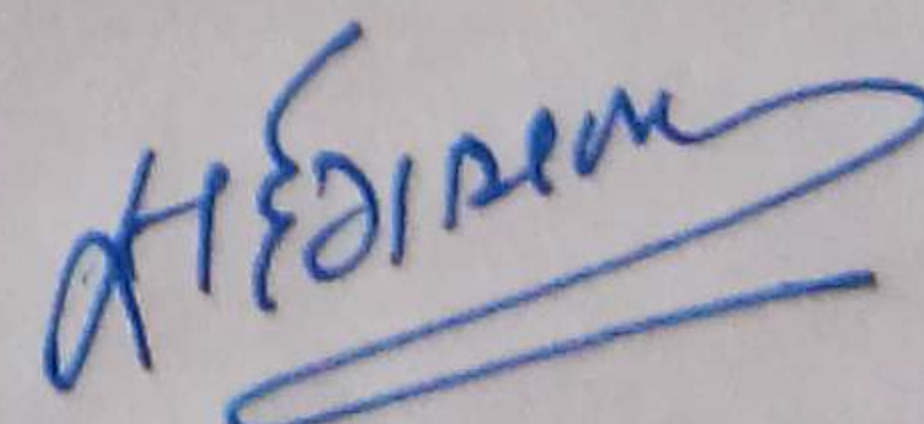
Principal

Department of Geography**Teaching Plan for the Academic Year 2023-24****Subject: Human Geography****Semester : II**

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- D. 10% - Seminar/ project work

Sr. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	1 st , 2 nd , 3 rd & 4 th Week of Jan 24	Introduction of Human Geography	Know about Human Geography & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
2	1 st , 2 nd , 3 rd & 4 th Week of Feb 24	Population	Know about population in India & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
3	1 st , 2 nd , 3 rd & 4 th Week of March 24	Settlements	Know about Settlement Pattern & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
4	1 st , 2 nd Week of April 24	Agriculture	Know about different Agriculture Types & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video

Dr. J. C. More
Subject TeacherDr. J. C. More
Head of the DepartmentDr. M. V. Deshmukh
IQAC Co-ordinatorDr. S. D. Gaikwad
Principal

IQAC Co-ordinator
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.

Principal
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
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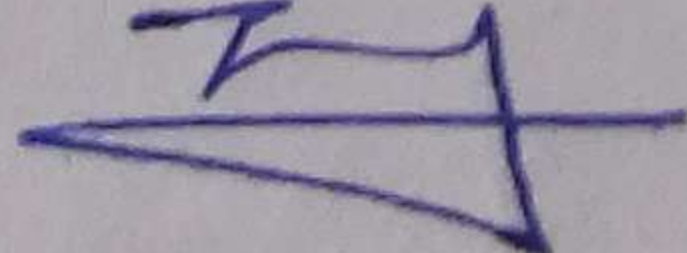
Department of Geography
Teaching Plan for the Academic Year 2023-24

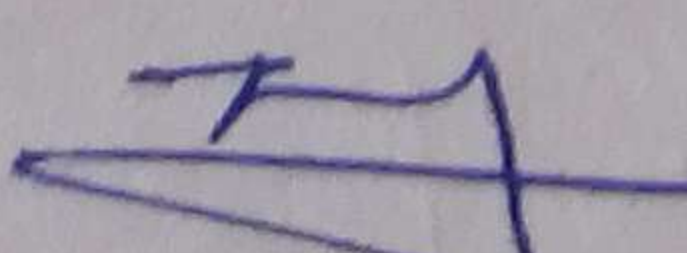
Subject: Environmental Geography - II Semester : IV

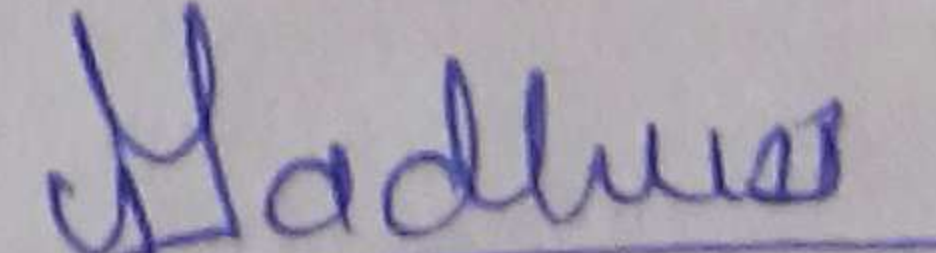
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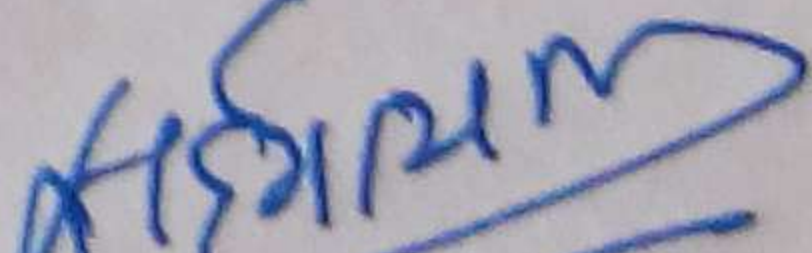
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S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	1 st , 2 nd , 3 rd & 4 th Week of Jan 24	Environmental Disaster	Know about Meaning and Concept of Environmental Disaster	Visual/Auditory	A, B	Class room Teaching With Subject Videos
2	1 st , 2 nd , 3 rd & 4 th Week of Feb 24	Environmental Problem	Know about Global Environmental Problem	Visual/Auditory	A, B	Class room Teaching With Subject Videos
3	1 st , 2 nd , 3 rd & 4 th Week of March 24	Environmental Planning and Management	Know about Micro, macro and meso level Planning & Management	Visual/Auditory	A, B	Class room Teaching With Subject Videos
4	1 st , 2 nd Week of April 24	Envirnmental Policies	Know about Envirnmental Policies in India & World	Visual/Auditory	A, B	Class room Teaching With Subject Videos


Dr. J. C. More
Subject Teacher


Dr. J. C. More
Head of the Department


Dr. M. V. Deshmukh
IQAC Co-ordinator


Dr. S. D. Gaikwad
Principal

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Department of Geography

Teaching Plan for the Academic Year 2023-24

Subject: (SYBA) Practical Geography - II Semester : IV

The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
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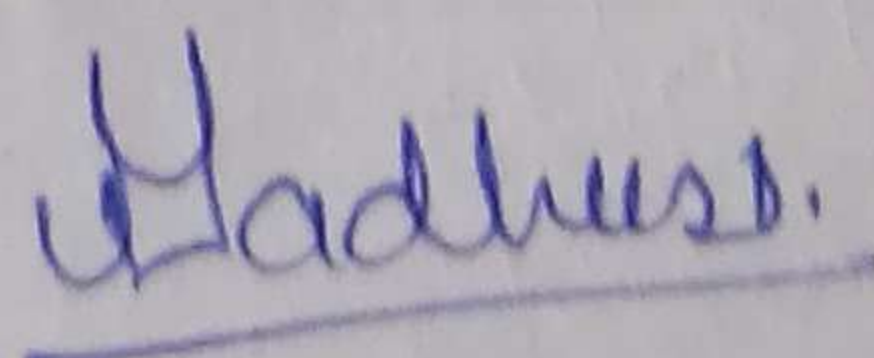
S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	2nd, 3rd & 4th Week of Jan 24	Introduction of Cartography	Know about Cartography & create Scientific Values	Visual/Audit ory	A, B, C,D	Class room Teaching With PPT
2	1st, 2 nd & 3rd Week of Feb 24	Cartographic techniques	Know about Cartographic Techniques & create Scientific Values	Visual/Audit ory	A, B, C,D	Class room Teaching With PPT
3	1st, 2nd, 3rd & 4th Week of March 24	Surveying	Know about various Surveying method & create Scientific Values	Visual/Audit ory	A, B, C,D	Class room Teaching With PPT
4	1st & 2 nd Week of April 24	Village survey & report wrting	Know about collected information in village & write report on it.	Visual/Audit ory	A, B, C,D	Class room Teaching With PPT



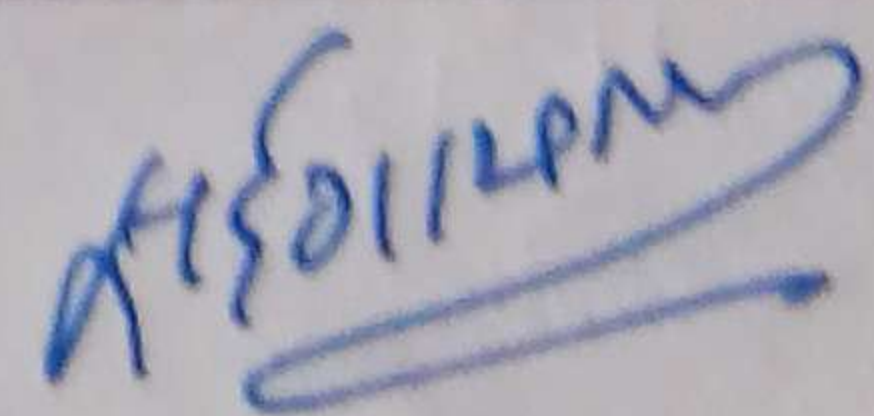
Dr. J. C. More
Subject Teacher



Dr. J. C. More
Head of the Department



Dr. M. V. Deshmukh
IQAC Co-ordinator



Dr. S. D. Gaikwad
Principal

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Department of Geography
Teaching Plan for the Academic Year 2023-24

Subject: Geography of Disaster Management - II Semester : VI

The criteria to be followed while preparing the teaching plan are:

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S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	1 st , 2 nd , 3 rd & 4 th Week of Jan 24	Geological and Geomorphic disaster and their Management	Know about Earthquakes, Lanslides & Tsunami Disaster and their Management	Visual/Auditory	A and B	Class room Teaching and Concept Video
2	1 st , 2 nd , 3 rd & 4 th Week of Feb 24	Anthropogenic disasters and their management	Know about Deforestation, Forest fire & Soil degradation & their management	Visual/Auditory	A and B	Class room Teaching and Concept Video
3	1 st , 2 nd , 3 rd & 4 th Week of March 24	Global Environment issues	Know about Global warming, Ozone depletion & Acid rain & their management	Visual/Auditory	A and B	Class room Teaching and Concept Video
4	1 st , 2 nd Week of April 24	Case Studies of disaster	Know about Indian Ocean Tsunami, Japan Nuclear disaster and Kedarth Cloud burst Disaster	Visual/Auditory	A and B	Class room Teaching and Concept Video

Dr. J. C. More
Subject Teacher

Dr. J. C. More
Head of the Department

Dr. M. V. Deshmukh
IQAC Co-ordinator

Dr. S. D. Gaikwad
Principal

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Department of Geography

Teaching Plan for the Academic Year 2023-24

Subject: Research Methodology - II Semester : V

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- D. 10% - Seminar/ project work

S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	1 st , 2 nd , 3 rd & 4 th Week of Jan 24	Method of Data Collection	Know about Primary and Secondary Data Sources	Auditory/ Kinesthetic	A and D	Class room Teaching with project work
2	1 st , 2 nd , 3 rd & 4 th Week of Feb 24	Types of Research Report	Know about interior and external part of Earth & create Scientific Values	Auditory/Kinest hetic	A and D	Class room Teaching project work
3	1 st , 2 nd , 3 rd & 4 th Week of March 24	Technique s of Research Report Wrting	Know about Climatology of the Earth & create Scientific Values	Auditory/Kinest hetic	A and D	Class room Teaching project work

Dr. J. C. More
Subject Teacher

Dr. J. C. More
Head of the Department

Dr. M. V. Deshmukh
IQAC Co-ordinator

Dr. S. D. Gaikwad

Principal

IQAC Co-ordinator
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.

Department of Geography

Teaching Plan for the Academic Year 2023-24

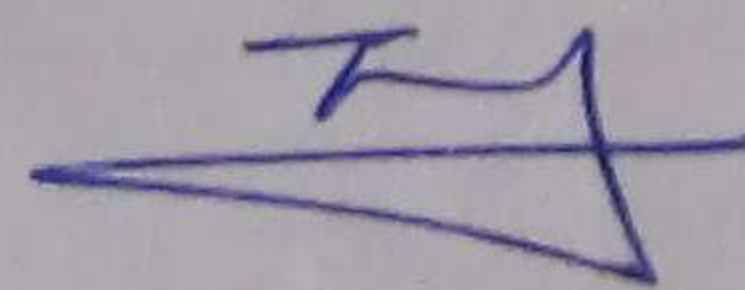
Subject: Physical Geography

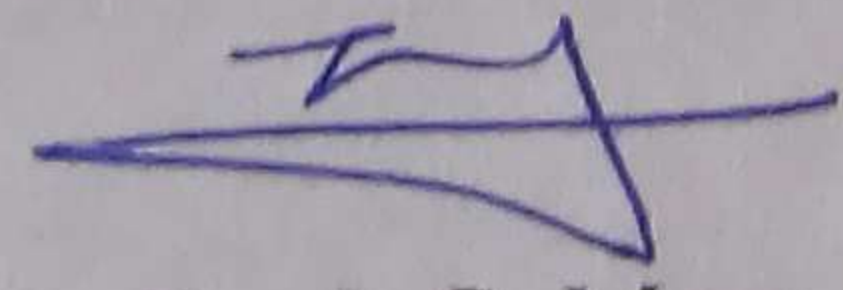
Semester : I

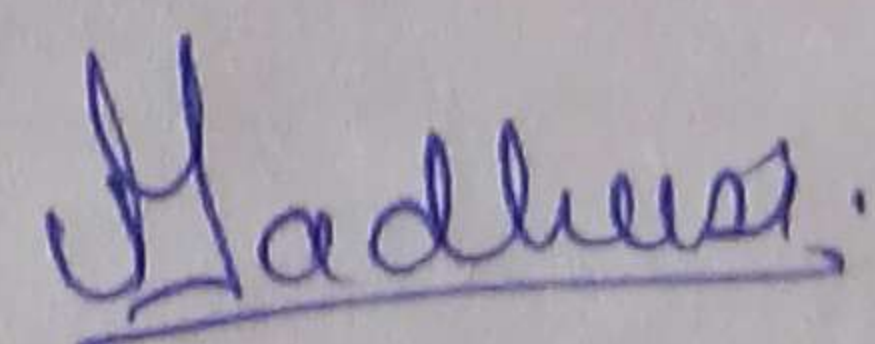
The criteria to be followed while preparing the teaching plan are:

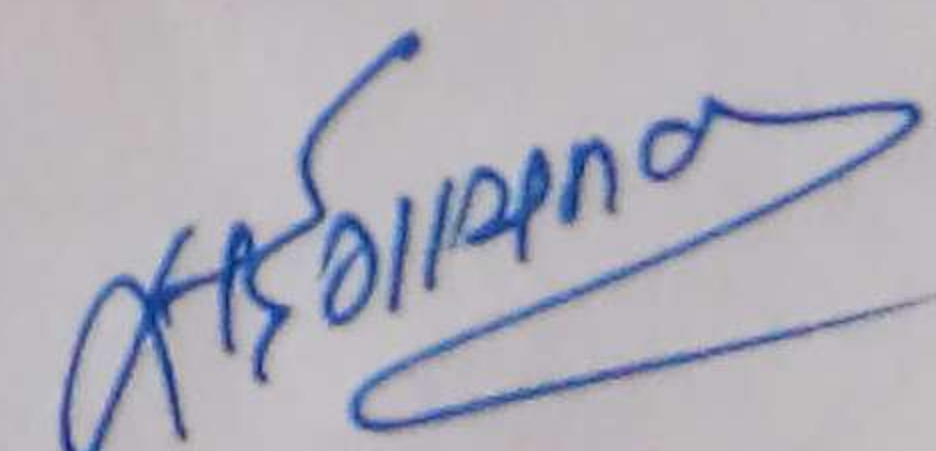
- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
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- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

Sr. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	2 nd , 3 rd & 4 th Week of July 23	Introduction of Geography	Know about depth of Physical Geo. & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
2	1 st , 2 nd , 3 rd & 4 th Week of Aug 23	Lithosphere	Know about interior and external part of Earth & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
3	1 st , 2 nd , 3 rd & 4 th Week of Sep 23	Atmosphere	Know about Climatology of the Earth & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
4	1 st , 2 nd & 3 rd Week of Oct 23	Hydrosphere	Know about different structure under the sea & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video


Dr. J. C. More
Subject Teacher


Dr. J. C. More
Head of the Department


Dr. M. V. Deshmukh
IQAC Co-ordinator


Dr. S. D. Gaikwad
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Principal
Bharatiya Jain Sanghatana's
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Wagholi, Pune-412207.

Department of Geography
Teaching Plan for the Academic Year 2023-24

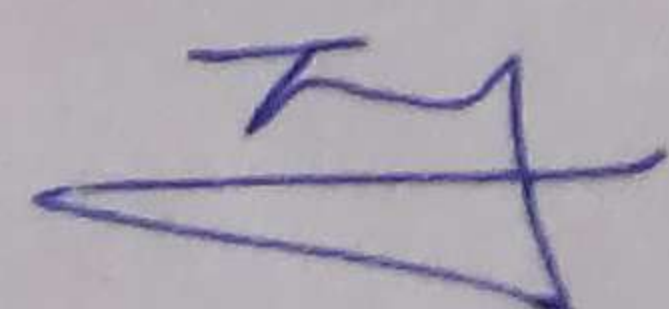
Subject: Environmental Geography - I

Semester : III

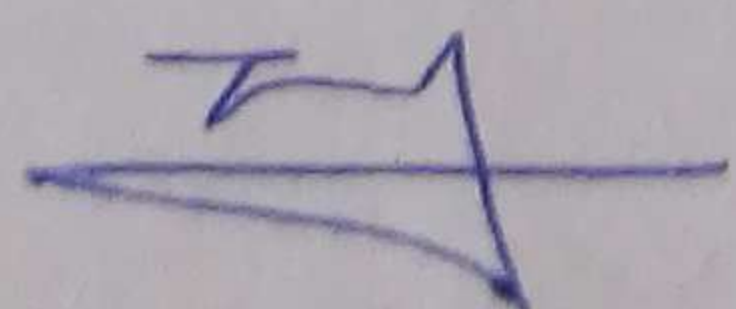
The criteria to be followed while preparing the teaching plan are:

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- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
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- D. 10% - Seminar/ project work

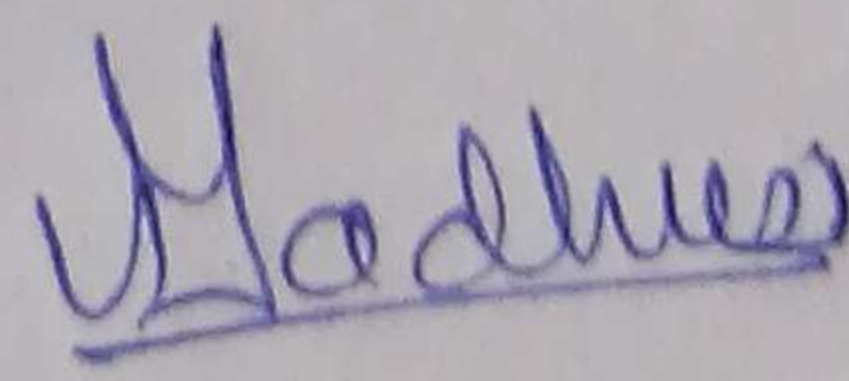
S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	2nd, 3rd & 4th Week of July 23	Introduction of Environment al Geography	Know about depth of Physical Geo. & create Scientific Values	Visual/Auditory	A, B	Class room Teaching With Subject Videos
2	1st, 2nd, 3rd & 4th Week of Aug 23	Ecosystem	Know about interior and external part of Earth & create Scientific Values	Visual/Auditory	A, B	Class room Teaching With Subject Videos
3	1st, 2nd, 3rd & 4th Week of Sep 23	Biodiversity and its conservation	Know about Climatology of the Earth & create Scientific Values	Visual/Auditory	A, B	Class room Teaching With Subject Videos
4	1st, 2nd & 3rd Week of Oct 23	Envirnmental Pollution	Know about different structure under& create Scientific Values the sea	Visual/Auditory	A, B	Class room Teaching With Subject Videos



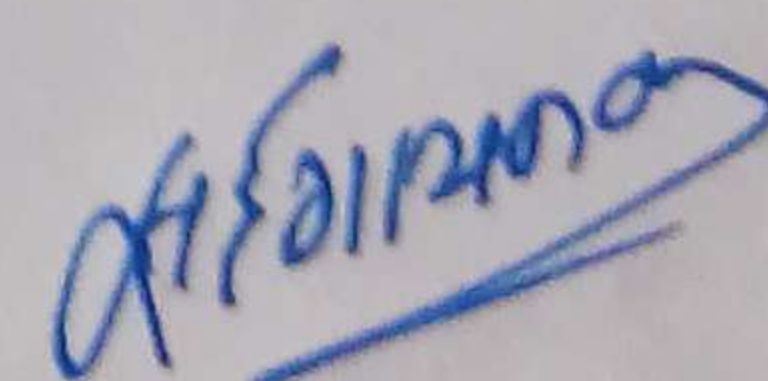
Dr. J. C. More
Subject Teacher



Dr. J. C. More
Head of the Department



Dr. M. V. Deshmukh
IQAC Co-ordinator



Dr. S. D. Gaikwad
Principal

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Arts, Science & Commerce College
Wagholi, Pune-412207.

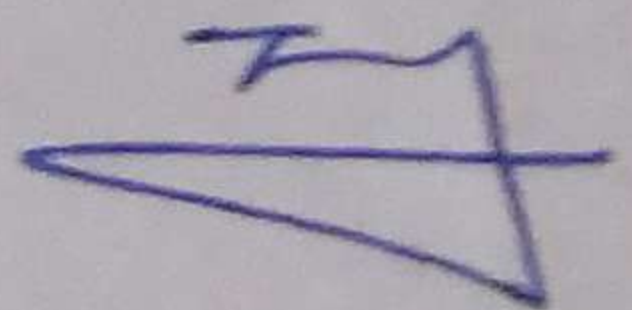
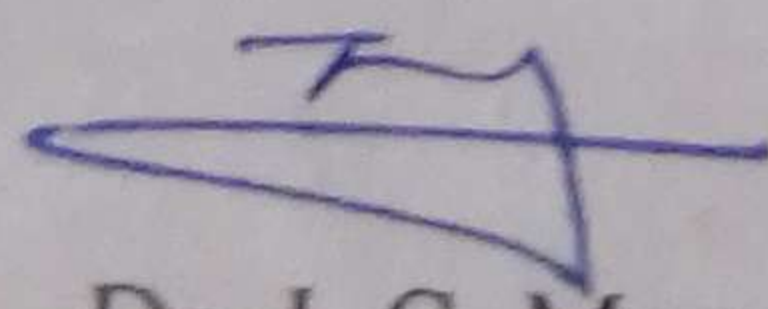
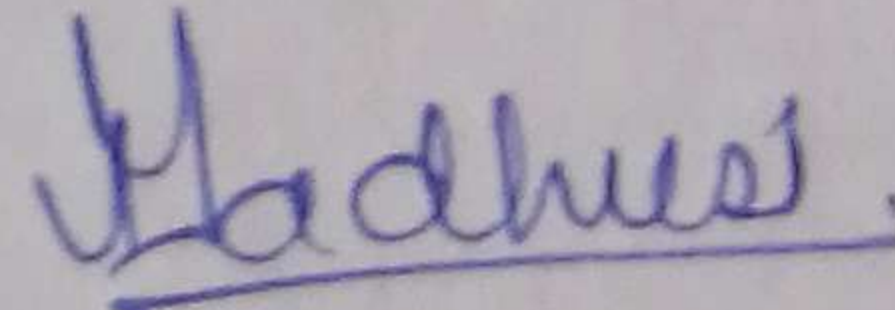
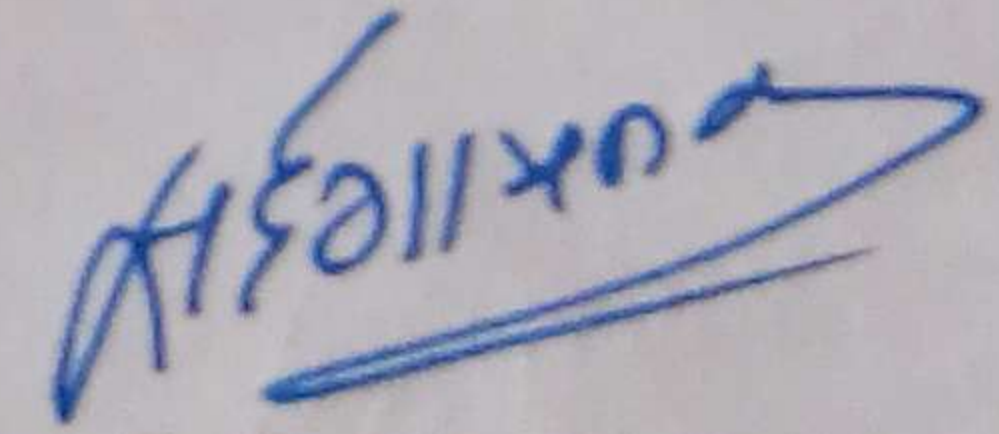
Department of Geography**Teaching Plan for the Academic Year 2023-24**

Subject: (SYBA) Practical Geography - I Semester : III

The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	2nd, 3rd & 4th Week of July 23	Introduction of Map	Know about Map & create Scientific Values	Visual/Audit ory	A, B, C,D	Class room Teaching With PPT
2	1st, 2nd, 3rd & 4th Week of Aug 23	Map Scale	Know about Maap Scale & create Scientific Values	Visual/Audit ory	A, B, C,D	Class room Teaching With PPT
3	1st, 2nd, 3rd & 4th Week of Sep 23	Basic of map projection	Know about Map Projection & create Scientific Values	Visual/Audit ory	A, B, C,D	Class room Teaching With PPT
4	1st, 2nd & 3rd Week of Oct 23	Construction, properties and use of map projection	Know about use of map & create Scientific Values	Visual/Audit ory	A, B, C,D	Class room Teaching With PPT

Dr. J. C. More
Subject TeacherDr. J. C. More
Head of the DepartmentDr. M. V. Deshmukh
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Dr. S. D. Gaikwad

Principal

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Arts, Science & Commerce College,
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Teaching Plan for the Academic Year 2023-24

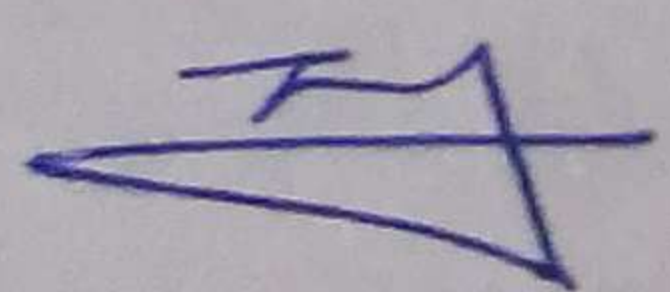
Subject: Applied course of Disaster Management (SEC)

Semester : III

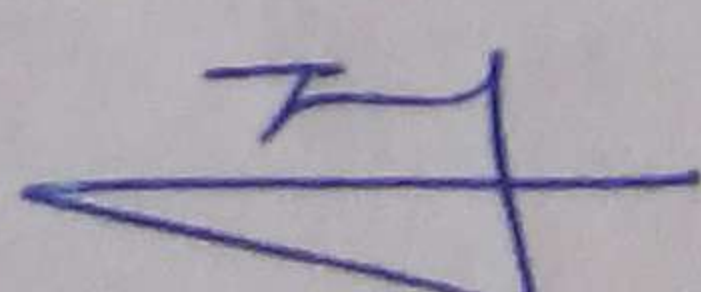
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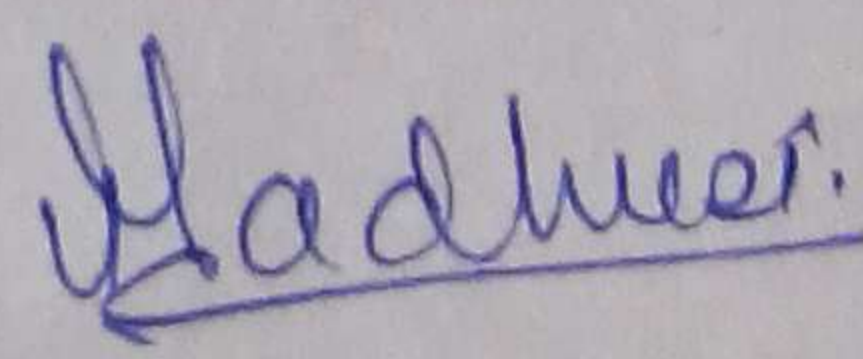
S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	2nd, 3rd & 4th Week of July 23	Different Concepts in Disaster Management	Know about Different Concepts in Disaster Management & create Taking Action Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
2	1st, 2nd, 3rd & 4th Week of Aug 23	Steps in Disaster Management s	Know about Steps in Disaster Managements & create Taking Action Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
3	1st, 2nd, 3rd & 4th Week of Sep 23	Comparative Evaluation of D. M. - I	Know about Comparative Evaluation of D. M. - I & create Taking Action Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
4	1st, 2nd & 3rd Week of Oct 23	Comparative Evaluation of D. M. - II	Know about Comparative Evaluation of D. M. - II & create Taking Action Values	Visual/Auditory	A and B	Class room Teaching and Concept Video



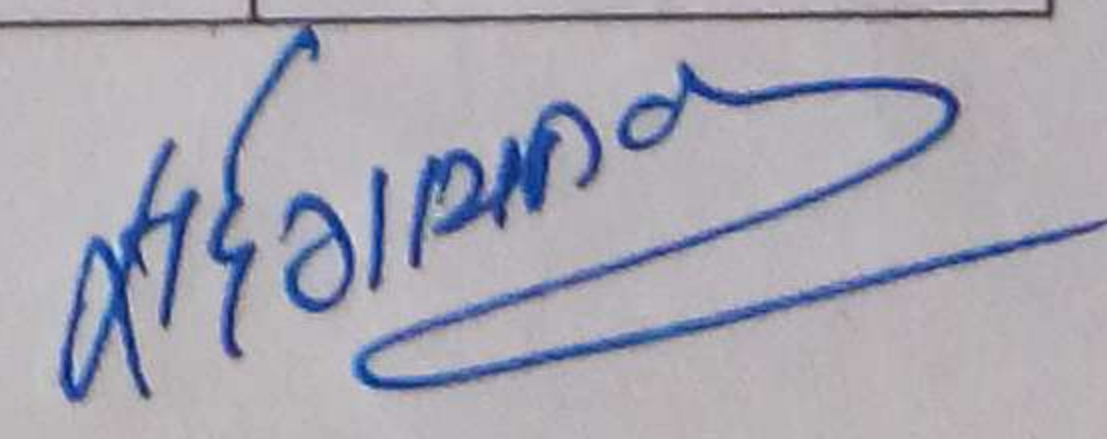
Dr. J. C. More
Subject Teacher



Dr. J. C. More
Head of the Department



Dr. M. V. Deshmukh
IQAC Co-ordinator



Dr. S. D. Gaikwad
Principal

IQAC Co-ordinator
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Arts, Science & Commerce College,
Wagholi, Pune- 412207.

Bharaliya Jain Sanghatana's
Arts, Science & Commerce College
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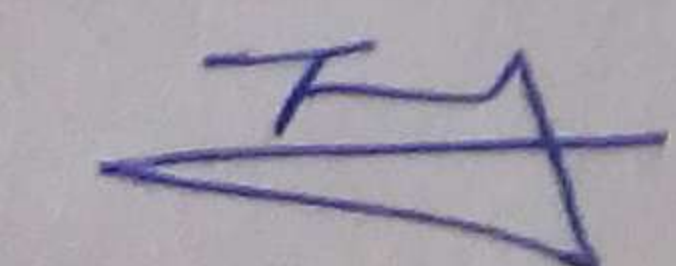
Department of Geography
Teaching Plan for the Academic Year 2023-24

Subject: Geography of Disaster Management - I Semester : V

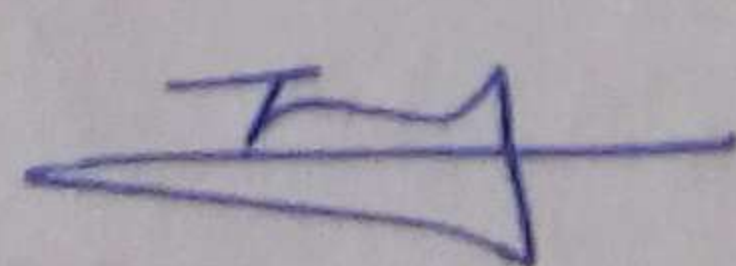
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- D. 10% - Seminar/ project work

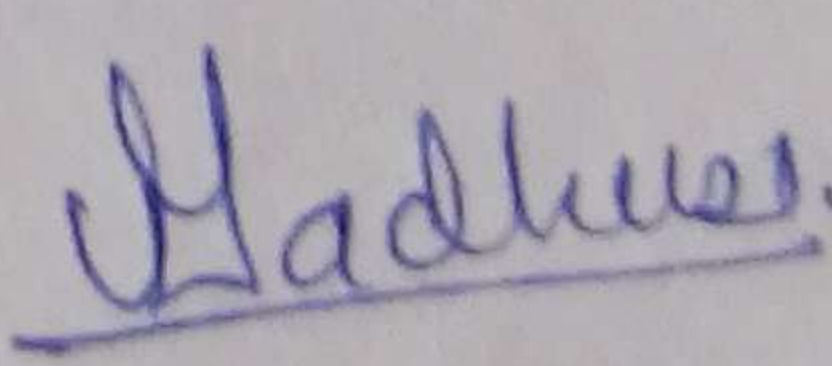
S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	2nd, 3rd & 4th Week of July 23	Concepts in Disaster Management	Know about Disaster Management & create Taking Action Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
2	1st, 2nd, 3rd & 4th Week of Aug 23	Introduction of hazards, Disasters	Know about of hazards, Disasters & create Taking Action Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
3	1st, 2nd, 3rd & 4th Week of Sep 23	Disaster Management and measures	Know about Disaster Management and measures & create Taking Action Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
4	1st, 2nd & 3rd Week of Oct 23	Climatic Disasters and their Management	Know about different Climatic Disasters and their Management & create Taking Action Values	Visual/Auditory	A and B	Class room Teaching and Concept Video



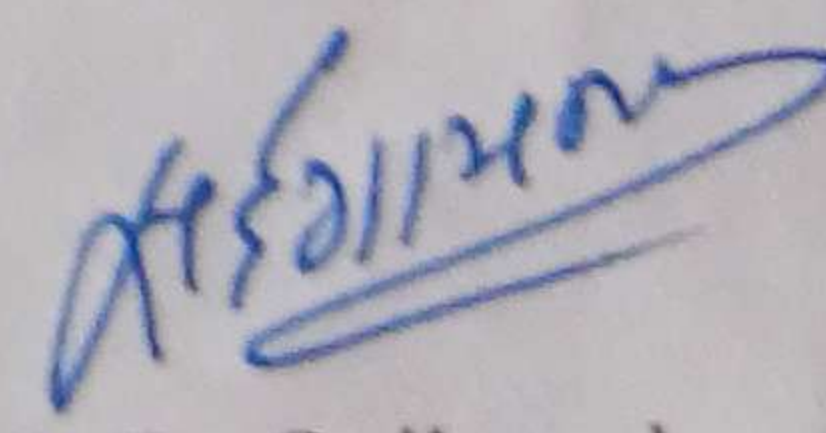
Dr. J. C. More
Subject Teacher



Dr. J. C. More
Head of the Department



Dr. M. V. Deshmukh
IQAC Co-ordinator



Dr. S. D. Gaikwad
I/C Principal

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Bharatiya Jain Sanghatana's
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Wagholi, Pune - 412207
Department of Geography

Teaching Plan for the Academic Year 2023-24

Subject: Physical Geography

Semester : I

The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Methodology / pedagogy
1	2nd, 3rd & 4th Week of July 23	Introduction of Physical Geography	Know about depth of Physical Geo. & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
2	1st, 2nd, 3rd & 4th Week of Aug 23	Lithosphere	Know about interior and external part of Earth & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
3	1st, 2nd, 3rd & 4th Week of Sep 23	Atmosphere	Know about Climatology of the Earth & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
4	1st, 2nd & 3rd Week of Oct 23	Hydrosphere	Know about different structure under the sea & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video

N.V. Agale
01-07-23
Nikhil Agale
Subject Teacher

J. C. More
Dr. J. C. More
Head of the Department

M. V. Deshmukh
Dr. M. V. Deshmukh
IQAC Co-ordinator

S. D. Gaikwad
Dr. S. D. Gaikwad
Principal

IQAC Co-ordinator
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- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S.No	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	2nd, 3rd & 4th Week of July 23	Administrat ive set up Maharashtra	Know about Administrative set up Maharashtra & Create Cooperation Value	Auditory	A	Class room Teaching with use of Different Maps
2	1st, 2nd, 3rd & 4th Week of Aug 23	Physical Settings	Know about Physical Settings & Create Scientific Value	Auditory	A	Class room Teaching with use of Different Maps
3	1st, 2nd, 3rd & 4th Week of Sep 23	Climate	Know about Climate & Create Scientific Value	Auditory	A	Class room Teaching with use of Different Maps
4	1st, 2nd & 3rd Week of Oct 23	Resources	Know about different Resources & Create Cooperation Value	Auditory	A	Class room Teaching with use of Different Maps

N.V. Agale
01-07-23
Nikhil Agale
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Dr. M. V. Deshmukh
IQAC Co-ordinator

S. D. Gaikwad
Dr. S. D. Gaikwad
Principal

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Department of Geography

Teaching Plan for the Academic Year 2023-24

Subject: Research Methodology - I Semester : V

The criteria to be followed while preparing the teaching plan are:

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- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	2nd, 3rd & 4th Week of July 23	Introducti on	Know about depth of Physical Geo. & create Scientific Values	Auditory/ Kinesthetic	A and D	Class room Teaching with project work
2	1st, 2nd, 3rd & 4th Week of Aug 23	Research Design	Know about interior and external part of Earth & create Scientific Values	Auditory/Kinest hetic	A and D	Class room Teaching project work
3	1st, 2nd, 3rd & 4th Week of Sep 23	Research Problem	Know about Climatology of the Earth & create Scientific Values	Auditory/Kinest hetic	A and D	Class room Teaching project work

N.V. Agale
01-07-23
Nikhil Agale
Subject Teacher

[Signature]
Dr. J. C. More
Head of the Department

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Dr. M. V. Deshmukh
IQAC Co-ordinator

[Signature]
Dr. S. D. Gaikwad
Principal

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Department of Geography**Teaching Plan for the Academic Year 2023-24**

Subject: Geography of Rural Development

Semester : V

The criteria to be followed while preparing the teaching plan are:

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- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	2nd, 3rd & 4th Week of July 23	Introduction	Know about Rural Areas & create Cooperation Values	Auditory	A	Class room Teaching
2	1st, 2nd, 3rd & 4th Week of Aug 23	Approaches to Rural Development in India	Know about Different Approaches & create Cooperation Values	Auditory	A	Class room Teaching
3	1st, 2nd, 3rd & 4th Week of Sep 23	Issues of Rural Development	Know about Issues of R D& create Cooperation Values	Visual/Auditory	A, B	Class room Teaching With Subject Videos
4	1st, 2nd & 3rd Week of Oct 23	Rural Health	Know about Health System in India & create Cooperation Values	Visual/Auditory	A, B	Class room Teaching With Subject Videos

N.V. Agale
01-07-23
Nikhil Agale
Subject Teacher

Dr. J. C. More
Head of the Department

Dr. M. V. Deshmukh
IQAC Co-ordinator

Dr. S. D. Gaikwad
Principal

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Department of Geography

Teaching Plan for the Academic Year 2023-24

Subject: (TYBA) Practical Geography - I

Semester : V

The criteria to be followed while preparing the teaching plan are:

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- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	2nd, 3rd & 4th Week of July 23	Introduction of SOI Toposheet	Know about SOI Toposheet & create Scientific Values	Visual/Auditory	A, B, C,D	Class room Teaching With PPT
2	1st, 2nd, 3rd & 4th Week of Aug 23	Introdecation of Relief Representati on	Know about Relief Representation & create Scientific Values	Visual/Auditory/ Kinaesthetic	A, B, C,D	Class room Teaching With PPT
3	1st, 2nd, 3rd & 4th Week of Sep 23	Interpretatio n of Weather Map	Know about Weather Map & create Scientific Values	Visual/Auditory	A, B, C,D	Class room Teaching With PPT
4	1st, 2nd & 3rd Week of Oct 23	Introduction of GIS and Remote Sensing	Know GIS and RS & create Scientific Values	Visual/Auditory	A, B, C,D	Class room Teaching With PPT

N. U. Agale
01-07-23
Nikhil Agale
Subject Teacher

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Department of Geography

Teaching Plan for the Academic Year 2023-24

Subject: Human Geography Semester : II

The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	1 st , 2 nd , 3 rd & 4 th Week of Jan 24	Introduction of Human Geography	Know about Human Geography & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
2	1 st , 2 nd , 3 rd & 4 th Week of Feb 24	Population	Know about population in India & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
3	1 st , 2 nd , 3 rd & 4 th Week of March 24	Settlements	Know about Settlement Pattern & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video
4	1 st , 2 nd Week of April 24	Agriculture	Know about different Agriculture Types & create Scientific Values	Visual/Auditory	A and B	Class room Teaching and Concept Video

N.V. Agale
15-12-23
Nikhil Agale
Subject Teacher

[Signature]
Dr. J. C. More
Head of the Department

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Dr. M. V. Deshmukh
IQAC Co-ordinator

[Signature]
Dr. S. D. Gaikwad
Principal

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Department of Geography

Teaching Plan for the Academic Year 2023-24

Subject: Geography OF Maharashtra - II Semester : IV

The criteria to be followed while preparing the teaching plan are:

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- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S.No	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	1 st , 2 nd , 3 rd & 4 th Week of Jan 24	Agriculture	Know about Major crops, cash crops and Horticulture in Maharshttra	Auditory	A	Class room Teaching with use of Different Maps
2	1 st , 2 nd , 3 rd & 4 th Week of Feb 24	Population and Settlement	Know about Population distribution and composion	Auditory	A	Class room Teaching with use of Different Maps
3	1 st , 2 nd , 3 rd & 4 th Week of March 24	Rural development in Maharashtra	Know about concept, parameters & Schemes for Rural Development	Auditory	A	Class room Teaching with use of Different Maps
4	1 st , 2 nd Week of April 24	Tourism	Know about Growth and Development in Maharashtra Tourism	Auditory	A	Class room Teaching with use of Different Maps

M.V. Deshmukh
15-12-23
Nikhil Agale
Subject Teacher

Dr. J. C. More
Dr. J. C. More
Head of the Department

Dr. M. V. Deshmukh
Dr. M. V. Deshmukh
IQAC Co-ordinator

Dr. S. D. Gaikwad
Dr. S. D. Gaikwad
Principal

**Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.**
IQAC Co-ordinator
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.

Bharatiya Jain Sanghatana's
Arts, Science and Commerce College,
Wagholi, Pune - 412207
Department of Geography

Teaching Plan for the Academic Year 2023-24

Subject: Applied course of Travel & Tourism (SEC) Semester : IV

The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	1 st , 2 nd , 3 rd & 4 th Week of Jan 24	Introduction to Travel & Tourism	Know about basic Concepts, & types in Travel and Tourism	Visual/Auditory	A and B	Class room Teaching and Concept Video
2	1 st , 2 nd , 3 rd & 4 th Week of Feb 24	Local Tourism	Know about Concept of Local Tourism	Visual/Auditory	A and B	Class room Teaching and Concept Video
3	1 st , 2 nd , 3 rd & 4 th Week of March 24	Tour planning and skill development	Know about basic skills in Travel and Tourism	Visual/Auditory	A and B	Class room Teaching and Concept Video
4	1 st , 2 nd Week of April 24	Project work and visit to tourist place	Know about creating Project work on any Tourist Place	Visual/Auditory	A and B	Class room Teaching and Concept Video

N. U. Agale
15-12-23
Nikhil U. Agale
Subject Teacher

J. C. More
Dr. J. C. More
Head of the Department

M. V. Deshmukh
Dr. M. V. Deshmukh
IQAC Co-ordinator

S. D. Gaikwad
Dr. S. D. Gaikwad
Principal

IQAC Co-ordinator
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.

Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Department of Geography

Teaching Plan for the Academic Year 2023-24

Subject: Geography of Rural Development - II

Semester : VI

The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/ D)	Mehodology / pedagogy
1	1 st , 2 nd , 3 rd & 4 th Week of Jan 24	Education in Rural Areas	Know about problem in school education & create Cooperation Values	Auditory	A	Class room Teaching
2	1 st , 2 nd , 3 rd & 4 th Week of Feb 24	Area Development Programmes	Know about Different Area Development Programmes in India	Auditory	A	Class room Teaching
3	1 st , 2 nd , 3 rd & 4 th Week of March 24	Target Group Programmes	Know about Target Group Programmes	Visual/Auditory	A, B	Class room Teaching With Subject Videos
4	1 st , 2 nd Week of April 24	Case Studies	Know about various well developed villages in India & create Cooperation Values	Visual/Auditory	A, B	Class room Teaching With Subject Videos

N. V. Agale
15-12-23

Nikhil Agale
Subject Teacher

Dr. J. C. More

Dr. J. C. More
Head of the Department

Dr. M. V. Deshmukh

Dr. M. V. Deshmukh
IQAC Co-ordinator

Dr. S. D. Gaikwad

Dr. S. D. Gaikwad
Principal

IQAC Co-ordinator
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.

Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Department of Geography

Teaching Plan for the Academic Year 2022-23

Subject: (TYBA) Practical Geography - II

Semester : VI

The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S. No.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinaesthetic)	Criteria Followed (A/B/C/D)	Mehodology / pedagogy
1	1 st , 2 nd , 3 rd & 4 th Week of Jan 24	Geological Data & its basic Analysis	Know about Geological Data & create Scientific Values	Visual/Auditory	A, B, C, D	Class room Teaching With PPT
2	1 st , 2 nd , 3 rd & 4 th Week of Feb 24	Calculation of Central Tendency	Know about Calculation of Central Tendency & create Scientific Values	Visual/Auditory/ Kinaesthetic	A, B, C, D	Class room Teaching With PPT
3	1 st , 2 nd , 3 rd & 4 th Week of March 24	Testing of Hypothesis	Know about Testing of Hypothesis & create Scientific Values	Visual/Auditory	A, B, C, D	Class room Teaching With PPT
4	1 st , 2 nd Week of April 24	Village survey & report wrting	Know about collected information in village & write report on it.	Visual/Auditory	A, B, C, D	Class room Teaching With PPT

N.V. Agale
15-12-23
Nikhil Agale
Subject Teacher

J. C. More
Dr. J. C. More
Head of the Department

M. V. Deshmukh
Dr. M. V. Deshmukh
IQAC Co-ordinator

S. D. Gaikwad
Dr. S. D. Gaikwad
Principal

IQAC Co-ordinator
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.

Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.



Bharatiya Jain Sanghatana's
Arts, Science and Commerce College,
Wagholi, Pune - 412207

Department of Chemistry

Teaching Plan for the Academic Year 2023-24

Subject CH-505: Industrial Chemistry Class: T.Y.BSc. Semester-1 Semester: 1

The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10% - Online Teaching (via. Zoom, YouTube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

Sr. No	Schedule	Topic	Learning Outcome	Approach(Visual / Auditory/ Kinesthetic)	Criteria Followed(A/B /C/D)	Methodology / pedagogy
1	1 st 2 nd , 3 rd 4 th week of July (6L)	1. Modern approach to chemical industry	Students are expected to learn importance of chemical industry, meaning of terms involved, and knowledge of various industrial aspects.	Visual Auditory	A+B +C+D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture-cum-demonstration
2	1 st , 2 nd , 3 rd week of August 23 (8L)	2. Manufacture of basic chemicals	Students are expected to learn concept of basic chemicals, , their uses and manufacturing processes, physio-chemical principals involved in it.	Visual Auditory Kinesthetic	A+B +C+D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture-cum-demonstration
3	4 th week of August 23, 1 st ,	3. Sugar and Fermentation	Students are expected to learn	Visual Auditory	A+B +C+D	Classroom teaching,

	2 nd week of September 23(8L)	industry	importance of sugar and fermentation industry, manufacturing of sugar and alcohols, and different beverages.			PPt, Oral, Group Discussion, Student Seminar, Lecture-cum-demonstration
4	3 rd 4 th week of September 23(8L)	4. Soap and Detergents	Students are expected to learn different types of soap products, chemistry of soaps, raw materials, detergent builders, additives, washing action of soaps and detergents.	Visual Auditory	A+B +C+D	Classroom teaching, PPt, Oral, Group Discussion, Student Seminar, Lecture-cum-demonstration
5	October 23(8L)	5. Dyes and Pigments	Students should know about Dyes-introduction, intermediates, structure, classification, synthesis, properties, and applications of pigments.	Visual Auditory	A+B+ C+D	Classroom teaching, PPt, Oral, Group Discussion, Student Seminar, Lecture-cum demonstration

Bagtap

Subject Teacher

Rajwade

Head of the Department

MTS

In charge

Madhu

118124
IQAC Coordinator

Principals

Principal

IQAC Co-ordinator

Bharatiya Jain Sanghatana's
Science & Commerce College,
Wazholi, Pune- 412207.



Bharatiya Jain Sanghatana's
Arts, Science and Commerce College,
Wagholi, Pune - 412207

Department of Chemistry

Teaching Plan for the Academic Year 2023-24

Subject: CHEOD-507D Organic Reactions and Reagents. Class: MSc -1. Semester: 1

The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, YouTube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

Sr. No	Schedule	Topic	Learning Outcome	Approach(Visual / Auditory/ Kinesthetic)	Criteria Followed(A/B /C/D)	Methodology / pedagogy
1	1 st 2 nd , 3 rd 4 th week of August + September (15L)	1. Organic Reactions	Students are expected to learn Acyloin condensation, benzoin condensation, bamford-Steven's reaction, Bergmann cyclization reactions, chichibabin reaction, eshchenmer tanabe fragmentation, grob fragmentation, mitsunobau reaction, Mc-murry coupling, nazarov cyclization, Neff	Visual Auditory	A+B +C+D	Classroom teaching, PPt, Oral, Group Discussion, Student Seminar, Lecture-cum-demonstration

			reaction, Robinson annulation, Shapiro reaction, stork enamine reaction.			
2	1 st , 2 nd , 3 rd , 4 th week of October + November 23 (15L)	2. Reagents.	Students are expected to learn Grignard reagents, Organo- zinc, Organo- copper, Organo- lithium reagents, Ylides.	Visual Auditory Kinesthet ic	A+B +C+D	Classroom teaching, PPt, Oral, Group Discussion, Student Seminar, Lecture- cum- demonstrati on

Sagtap
Subject Teacher

RACWadh
Head of the Department

mtk
In charge

Madhus
11/8/24
IQAC Coordinator

Princip
Principal

IQAC Co-ordinator

Bharatiya Jain Sanghatana's

Arts, Science & Comm College,
Wagholi, T. 42207.



Bharatiya Jain Sanghatana's
Arts, Science and Commerce College,
Wagholi, Pune - 412207

Department of Chemistry

Teaching Plan for the Academic Year 2023-24

Subject: CHO-351 Structure Determination of Organic Compounds by Spectroscopic Methods. Section-II Mass Spectrometry
Class: MSc -2 Semester: 1

The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, YouTube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

Sr. No	Schedule	Topic	Learning Outcome	Approach(Visual / Auditory/ Kinesthetic)	Criteria Followed(A/B /C/D)	Methodology / pedagogy
1	1 st 2 nd , 3 rd 4 th week of August (6L)	1. Mass Spectrometry	Students are expected to learn Principle, ionization methods, fragmentation of compounds, rearrangements, ion analysis, and abundance.	Visual Auditory	A+B +C+D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture-cum-demonstration
2	1 st , 2 nd , 3 rd , 4 th week of September 23 (6L)	2. Applications of mass Spectrometry.	Students are expected to learn elemental composition, isotopic abundance, and analysis of biomolecules, proteins and sugars.	Visual Auditory Kinesthetic	A+B +C+D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture-cum-demo.

3.	1 st , 2 nd , 3 rd , 4 th week of October 23 (12L)	3. Problem Solving	Structure elucidation using IR, NMR, UV, 2D NMR, COSY, APT, DEPT, HETCOR, and MS Data.	Visual Auditory Kinesthet ic	A+B +C+D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture- cum-demo.
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Fagtap

Subject Teacher

RAGULAKI

Head of the Department

MA

In charge

Madhura
1/8/23
IQAC Coordinator

Madhura
Principal

IQAC Co-ordinator
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.



Bharatiya Jain Sanghatana's
Arts, Science and Commerce College,
Wagholi, Pune - 412207

Department of Chemistry

Teaching Plan for the Academic Year 2023-24

Subject: CHO-451 Organometallic Reagents in Organic Synthesis.

Class: MSc -2 Semester: 2

The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, YouTube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

Sr. No	Schedule	Topic	Learning Outcome	Approach(Visual / Auditory/ Kinesthetic)	Criteria Followed(A/B /C/D)	Methodology / pedagogy
1	1 st 2 nd , 3 rd , 4 th week of August (6L)	1. C=C bond formation reactions	Students are expected to learn Wittig, Shapiro, Bamford Steven's, McMurry, Julia, Peterson olefination reactions.	Visual Auditory	A+B +C+D	Classroom teaching, PPt, Oral, Group Discussion, Student Seminar, Lecture-cum-demonstration
2	1 st , 2 nd week of September 23 (3L)	2. Multi-component reactions	Students are expected to learn Ugi, Passerini, Beghinelli, Mannich reactions.	Visual Auditory Kinesthetic	A+B +C+D	Classroom teaching, PPt, Oral, Group Discussion, Student Seminar, Lecture-cum-demo.

3.	3 rd , 4 th week of September 23 (3L)	3. Ring formation reactions	Pauson-Khand, Bergman and Nazarov reactions.	Visual Auditory Kinesthetic	A+B +C+D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture-cum-demo.
4.	1 st , 2 nd week of October 23 (4L)	4. Click Chemistry	Click reactions, Sharpless azides cycloaddition, and bioconjugates.	Visual Auditory Kinesthetic	A+B +C+D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture-cum-demo.
5.	3 rd , 4 th week of October 23 (8L)	5. Boron and silicon reagents	Use of reagents in reactions.	Visual Auditory Kinesthetic	A+B +C+D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture-cum-demo.

Fagtap

Subject Teacher

RAGHINI

Head of the Department

MAH

In charge

Madhus
11/8/23

IQAC Coordinator

A. S. Sharma

Principal

IQAC Co-ordinator

Pratitiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.



Bharatiya Jain Sanghatana's
Arts, Science and Commerce College,
Wagholi, Pune - 412207

Department of Chemistry

Teaching Plan for the Academic Year 2023-24

Subject CH-601: Physical Chemistry-II Class: T.Y.BSc. Semester-2 Semester: 2

The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, YouTube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

Sr. No	Schedule	Topic	Learning Outcome	Approach(Visual / Auditory/ Kinesthetic)	Criteria Followed(A/B /C/D)	Methodology / pedagogy
1	1 st 2 nd , 3 rd 4 th week of December 23 (16L)	1. Electrochemistry	Students are expected to learn electrochemical cells, EMF, Weston standard cells, primary, secondary reference electrodes, glass electrodes, Nerst equation, Standard electrode potential, types of electrodes, types of concentration cells, liquid junction potential, primary and secondary batteries, fuel cells and problems.	Visual Auditory	A+B +C+D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Lecture-cum-demonstration
2	1 st , 2 nd , 3 rd 4 th week January	2. Crystal Structure	Students are expected to learn	Visual Auditory	A+B +C+D	Classroom teaching,

Syllabus Completion Report

(2023 -2024)

Name: - Miss. Pournima Goraksh
Jagtap.
Dept.: - Chemistry

To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207

Subject: - Syllabus completion report for the academic year 2023 -2024.

Respected Sir,

With reference to the above mentioned subject, I am submitting the syllabus completion report for your kind perusal.

Course code	Course Name	Class	Date of completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
CH-103	Practical Chemistry	FYBSc 1 batch	30/10/2023	46	-	46	46
CH-303	Organic chemistry practical	SYBSc 2 batches	30/10/2023	72+72	-	72+72	72+72
CH-505	Industrial Chemistry	TYBSc	30/10/2023	36	-	36	36
CHEOD-507(D)	Organic Reactions and Reagents	MSc-I	30/11/2023	30	-	30	30
CHO-351 Part-2	Structure Determination of Organic Compounds by Spectroscopic Methods	MSc-II	30/10/2023	30	-	30	30
CH-203	Practical Chemistry	FYBSc 1 batch	15/03/2024	46	-	46	46

CH-403	Organic chemistry practical	SYBSc 2 batches	30/03/2024	72+72	-	72+72	72+72
CH-601	Physical Chemistry-II	TYBSc	20/03/2024	36	-	36	36
CHO-451 Part-2	Organometallic Reagents in Organic Synthesis	MSc-II	30/03/2024	30	-	30	30

Total Teaching Hours = 542 Hrs.

The respective curricula have been completed successfully.

Bagtap

Sub. Teacher

Rahi

HOD

MA

Faculty In-charge

Madhusi
11/8/24

IQAC Coordinator

Princip

Principal

IQAC Co-ordinator

Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.

IQAC Co-ordinator

Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207,



**Board of Studies in Political Science and Public Administration
Savitribai Phule Pune University, Pune**



&

**Sahebrao Shankarrao Dhamdhere Arts & Commerce College
Talegaon Dhamdhere, Tal. Shirur, Dist. Pune 412208.**

Jointly Organized

F.Y.B.A. Political Science and Public Administration Syllabus Restructuring Workshop

Certificate of Participation

This is to certify that Prof/~~Dr.~~ Siddheshwar Mahadeorao Sangole of BJS College of Arts, Science & Commerce College Wagholi, Pune has participated in F.Y.B.A. Political Science and Public Administration Syllabus Restructuring Workshop (as per NEP 2020)" Jointly organized by Board of Studies in Political Science and Public Administration, Savitribai Phule Pune University, Pune & Department of Political Science, Sahebrao Shankarrao Dhamdhere Arts & Commerce College, Talegaon Dhamdhere, Tal. Shirur, Dist. Pune on **Monday, 11th March 2024.**

Dr. Dattatray Wabale
(Co-ordinator & HOD, Pol. Sci.)

Dr. Rajdhar Temkar
(Chairman, BOS, Pol.Sci. & Pub. Adm.)

Dr. Ashok Navale
(Principal)

Curriculum Completion Report (2023-2024)

Name :- Prof. Angad.S.Sakhare
Dept. :- Economics

To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207


Subject:- Curriculum completion report for Semester I , III ,and V , M.com II (Sem-III) of the academic year 2023-2024.

Respected Sir,
With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.


Course code	Course Name	Class	Date of Start & completion	No. of class.lect	No. of On.lec	Total Lectures	Total Teaching Hr
113	Business Economics -I	F.Y.B.com (Div- A&B)	2 nd week of July & 3 rd week of Oct 2023	54	--	54	45 Hours
353-A	Indian And Global Economics Development-I	T.Y.B.com (Div-B)	1 st week of August & 4 th Week of October 2023	50	--	50	42Hours
DSE-1A	Micro Economics-I	SYBA	1 st week of August To 1 st week of November 2023	50	--	50	42Hours
60102-A	Industrial Economics-I	M.com-I	4 th week of August & 3 rd week of November 2023	48	--	48	40Hours

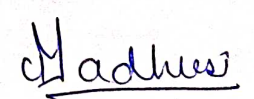
Total Teaching Hours: 169 Hours

The respective curricular has been completed successfully.


Sub. Teacher


HoD,


Faculty In-charge


IQAC Coordinator


Principal

Curriculum Completion Report**(2023-2024)**Name :- Prof. Angad.S.Sakhare
Dept. :- EconomicsTo,
The Principal
BJS's ASC College
Wagholi, Pune- 412207**Subject:- Curriculum completion report for Semester II, IV and VI of the academic year 2023-2024.**


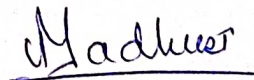
Respected Sir,

With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.

Course code	Course Name	Class	Date of Start & completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
123	Business Economics -II	F.Y.B.com (Div-A&B)	December 2023 To March 2024	54	--	54	45 Hours
363-A	Indian And Global Economics Development-II	T.Y.B.Com (Div-C)	December 2023 To March 2024	52	--	52	43 Hours
DSE-1A	Micro Economics-II	SYBA	December 2023 To March 2024	50	--	50	42 Hours
402	Industrial Environment Economics-II	M.com-II	December 2023 To March 2024	48	--	48	40Hours

Total Teaching Hours: 170 Hours

The respective curricular has been completed successfully.


Sub. Teacher
HoD,
Faculty In-charge
IQAC Coordinator
Principal

Curriculum Completion Report
(2023-2024)Name :- Dr. Monika Jain
Dept. :- EnglishTo,
The Principal
BJS's ASC College
Wagholi, Pune- 412207**Subject:- Curriculum completion report for even Semesters of the academic year 20-20.**


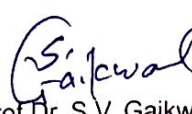
Respected Sir,

With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.

Course code	Course Name	Class	Date of Start & completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
12001	Compulsory English	FYBA	12-12-2023 to 28-03-2024	50	7	57	48
24001	Compulsory English	SYBA	08-01-2024 to 02-04-2024	41	8	49	41
36001	Compulsory English	TYBA	08-01-2024 to 03-04-2024	42	6	48	40
121	Compulsory English	FYBCom	19-12-2023 to 02-04-2024	48	5	53	44
408	Language Communication	SYBCA	08-01-2024 to 05-04-2024	36	4	40	34

Total Teaching Hours: 207

The respective curricula have been completed successfully.


Dr. Monika Jain
Sub. Teacher and HoD
Prof. Dr. S.V. Gaikwad
Faculty In-charge
Dr. M. V. Deshmukh
IQAC Coordinator
Prof. Dr. S. D. Gaikwad
I/C PrincipalBharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune- 412207.
IQAC Co-ordinator
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.

Curriculum Completion Report
(2023-2024)Name :- Dr. Monika Jain
Dept. :- EnglishTo,
The Principal
BJS's ASC College
Wagholi, Pune- 412207**Subject:- Curriculum completion report for odd Semester of the academic year 2023-2024.**



Respected Sir,

With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.

Course code	Course Name	Class	Date of Start & completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
11001	Compulsory English	FYBA	11-07-2023 to 31-10-2023	58	6	64	54
23001	Compulsory English	SYBA	01-08-2023 to 31-10-2023	43	7	50	42
35001	Compulsory English	TYBA	02-08-2023 to 02-11-2023	46	5	51	42
111	Compulsory English	FYBCom	11-07-2023 to 31-10-2023	55	5	60	50
308	Language Communication	SYBCA	12-07-2023 to 19-10-2023	34	6	40	34

Total Teaching Hours: 222

The respective curricula has been completed successfully.


Sub. Teacher & HoD
Faculty In-charge
IQAC Coordinator
PrincipalIQAC Co-ordinator
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.
Principal
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.

Bharatiya Jain Sanghatana's
ASC College, Wagholi, Pune
Curriculum Completion Report
(2023-2024)

Name: - Raskar Pooja A.
Dept. :-BCA (SCI)

To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207

Subject: - Curriculum completion report for Semester of the academic year 2023-2024.

Respected Sir,

With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.

Course code	Course Name	Class	Date of Start & completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
BCA122	Advanced C Programming	FYBCA(Sci.)	8/1/2024 To 27/3/2024	42	—	42	42
BCA361	Android Programming	TYBCA(Sci.)	8/1/2024 To 30/3/2024	44	—	44	44
BCA126	Advanced C Programming Laboratory	FYBCA(Sci.)	9/1/2024 To 26/3/2024	36	—	36	36
BCA366	Android Programming Laboratory	TYBCA(Sci.)	12/1/2024 To 30/3/2024	84	—	84	84

Total Teaching Hours: 206

The respective curricula have been completed successfully

pooja
Sub. Teacher

P.S.
HOD

mt
Faculty In-charge

Madhusi
IQAC Coordinator

A. S. Raskar
Principal

I/C Principal
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.



Bharatiya Jain Sanghatana's ASC College, Wagholi, Pune

Curriculum Completion Report
(2023-2024)

Name: - Bhagyashri R. Joshi
Dept. :-BCA (Sci.)

To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207

Subject: - Curriculum completion report for Semester of the academic year 2023-2024.

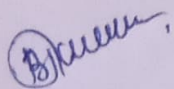
Respected Sir,

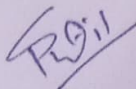
With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.

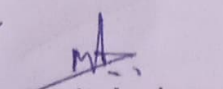
Course code	Course Name	Class	Date of Start & completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
BCA241	Object Oriented Programming and C++	SYBCA(Sci.)	8/1/2024 to 5/4/2024	70	05	75	48
BCA365	Internet of Things (IoT)	TYBCA(Sci.)	12/01/2024 To 30/03/2024	35	05	36	30
BCA244	C++ Programming Laboratory	SYBCA(Sci.)	11/01/2024 To 11/04/2024	120	-	120	48(per batch)
BCA367	DSE V Laboratory IoT	TYBCA(Sci.)	10/03/2024 To 23/03/2024	06	-	06	30

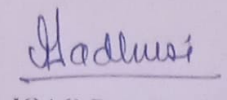
Total Teaching Hours: 156

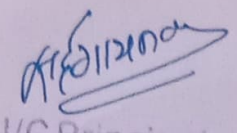
The respective curricula has been completed successfully.


Sub. Teacher


HoD


Faculty In-charge


IQAC Coordinator


I/C Principal
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Bharatiya Jain Sanghatana's

ASC College, Wagholi, Pune
Curriculum Completion Report

(2023-2024)

Name: - Pharande Snehal Nilesh.
Dept. :-BCA (SCI)

To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207

Subject: - Curriculum completion report for Semester of the academic year 2023-2024.

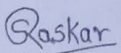
Respected Sir,

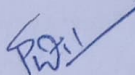
With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.

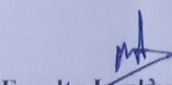
Course code	Course Name	Class	Date of Start & completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
BCA124	Data Base Management System I	FYBCA(Sci.)	19/12/2023 To 27/3/2024	49	—	49	40.83
BCA116	Adv .C Programming Laboratory	FYBCA(Sci.)	16/8/2023 To 18/10/2023	30	—	30	30
BCA246	Python Programming Laboratory.	SYBCA(Sci.)	9/1/2024 To 20/3/2024	60	—	60	60
BCA128	Database Management System – I Laboratory	FYBCA(Sci.)	22/12/2023 To 23/3/2024	120	—	120	120

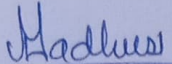
Total Teaching Hours: 250.83hrs

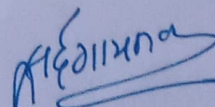
The respective curricula have been completed successfully.


Sub. Teacher


HOD


Faculty In-charge


IQAC Coordinator


Principal

I/C Principal

Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Bharatiya Jain Sanghatana's

ASC College, Wagholi, Pune

Curriculum Completion Report

(2023-2024)

Name: - Akshay Dattu Gadade

Dept.: - BCA (SCI)

To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207

Subject: - Curriculum completion report for Semester of the academic year 2023-2024

Respected Sir,

With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal

Course code	Course Name	Class	Date of Start & completion	No. of classroom mlectures	No. of Online lectures	Total Lectures	Total Teaching Hours
BCA 121	Computer Organization	FYBCA (Sci.) SEM II	18/12/23 To 28/3/2024	60	-	60	50
BCA 364	Management Information System	TYBCA (Sci.) SEM VI	24/1/2024 To 30/3/24	35	-	35	29
BCA 125	Computer Organization Laboratory	FYBCA (Sci.) SEM II	4/1/2024 To 28/3/2024	120	-	120	120
BCA 126	Advanced C Programming Laboratory	FYBCA (Sci.) SEM II	8/1/2024 To 18/3/2024	30	-	30	30
BCA 246	Python Programming Laboratory	SYBCA (Sci.) SEM VI	8/1/2024 To 18/3/2024	30	-	30	30

Total Teaching Hours: 259.99hrs.

The respective curriculum has been completed successfully.

Akshay
Sub. Teacher

Gadade
HoD,

Wagholi
Faculty In-charge

Gadade
IQAC Coordinator

Akshay Dattu Gadade
Principal

I/C Principal

Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Curriculum Completion Report**(2023-2024)**

Name: - Bhagyashri R. Joshi

Dept. :-BCA (Sci.)

To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207

Subject: - Curriculum completion report for Semester of the academic year 2023-2024.

Respected Sir,

With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.

Course code	Course Name	Class	Date of Start & completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
BCA241	Object Oriented Programming and C++	SYBCA(Sci.)	8/1/2024 to 5/4/2024	70	05	75	48
BCA365	Internet of Things (IoT)	TYBCA(Sci.)	12/01/2024 To 30/03/2024	35	05	36	30
BCA244	C++ Programming Laboratory	SYBCA(Sci.)	11/01/2024 To 11/04/2024	120	-	120	48(per batch)
BCA367	DSE V Laboratory IoT	TYBCA(Sci.)	10/03/2024 To 23/03/2024	06	-	06	30

Total Teaching Hours: 156

The respective curricula has been completed successfully.

Sub. Teacher

HoD

Faculty In-charge

IQAC Coordinator

Principal



Bharatiya Jain Sanghatana's

ASC College, Wagholi, Pune
Curriculum Completion Report

(2023-2024)

Name: - Manvatkar Sanjay S.
Dept. :-BCA (SCI)

To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207

Subject: - Curriculum completion report for Semester of the academic year 2023-2024.

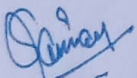
Respected Sir,

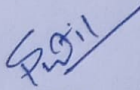
With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.

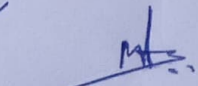
Course code	Course Name	Class	Date of Start & completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
BCA362	Go Language	TYBCA(Sci.)	16/8/2023 To 18/10/2023	72	—	72	60
BCA243	Software Engineering	SYBCA(Sci.)	9/1/2024 To 20/3/2024	72	—	72	60
BCA246	Python Programming Laboratory.	SYBCA(Sci.)	9/1/2024 To 20/3/2024	30	—	30	30
BCA363	Go Language laboratory	TYBCA(Sci.)	22/12/2023 To 23/3/2024	120	—	120	120

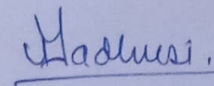
Total Teaching Hours: 270

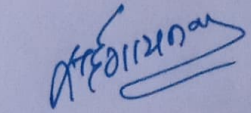
The respective curricula have been completed successfully.


Sub. Teacher


HOD


Faculty In-charge


IQAC Coordinator


Principal
I/C Principal

Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Bharatiya Jain Sanghatana's

ASC College, Wagholi, Pune

Curriculum Completion Report**(2023-2024)**

Name: - Manvatkar Sanjay S.

Dept. :-BCA (SCI)

To,

The Principal

BJS's ASC College

Wagholi, Pune- 412207

Subject: - Curriculum completion report for Semester of the academic year 2023-2024.

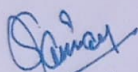
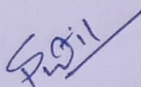
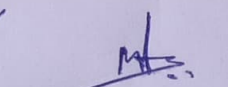
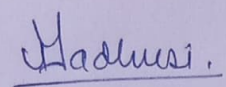
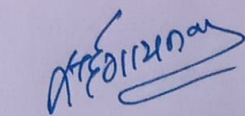
Respected Sir,

With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.

Course code	Course Name	Class	Date of Start & completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
BCA362	Go Language	TYBCA(Sci.)	16/8/2023 To 18/10/2023	72	—	72	60
BCA243	Software Engineering	SYBCA(Sci.)	9/1/2024 To 20/3/2024	72	—	72	60
BCA246	Python Programming Laboratory.	SYBCA(Sci.)	9/1/2024 To 20/3/2024	30	—	30	30
BCA363	Go Language laboratory	TYBCA(Sci.)	22/12/2023 To 23/3/2024	120	—	120	120

Total Teaching Hours: 270

The respective curricula have been completed successfully.


Sub Teacher
HOD
Faculty In-charge
IQAC Coordinator
Principal
I/C PrincipalBharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.



Bharatiya Jain Sanghatana's
ASC College, Wagholi, Pune
Curriculum Completion Report
(2023-2024)

Name: - Mrs. Patil Suvarna S.
Dept. :-BCA (SCI)

To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207

Subject: - Curriculum completion report for Semester of the academic year 2023-2024.

Respected Sir,

With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.

Course code	Course Name	Class	Date of Start & completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
BCA 242	Web Technology	SYBCA(Sci.)	16/8/2023 To 18/10/2023	72	—	72	60
BCA245	Web Technology laboratory	SYBCA(Sci.)	16/8/2023 To 18/10/2023	60	—	60	60
BCA363	Software Project Management	TYBCA(Sci.)	9/1/2024 To 20/3/2024	72	—	72	60
BCA368	DSE VI Project Lab	TYBCA(Sci.)	22/12/2023 To 23/3/2024	120	—	120	120

Total Teaching Hours: 300

The respective curricula have been completed successfully.

Sub. Teacher

HOD

Faculty In-charge

IQAC Coordinator

Principal
I/C Principal

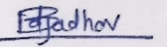
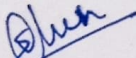
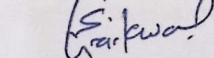
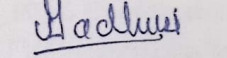
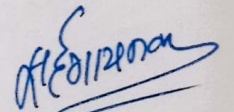
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Bharatiya Jain Sanghatana's ASC College, Wagholi, Pune
Curriculum Completion Report**(2023-2024)**Name :- Prof. Bharti Jadhav
Dept. :- MarathiTo,
The Principal
BJS's ASC College
Wagholi, Pune- 412207**Subject:- Curriculum completion report for Semester First of the academic year 2023-2024**Respected Sir,
With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.

Course code	Course Name	Class	Date of Start & completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
11021 A	Marathi Sahitya: Katha Ani Bhashik Koushalye Vikas	F.Y.B.A. Div-B	04/09/23 to 30/11/23	45	-	45	37.5
23022	Bhashik Koushalya Vikas Ani Adhunik Marathi Sahityaprakar: Kadambari	S.Y.B.A.	07/09/23 to 30/11/23	45	-	44	36.66
117B	Bhasha Sahitya Ani Koushalya vikas	F.Y. B.COM Div-B	04/09/23 to 30/11/2023	45	-	45	37.05
117B	Bhasha Sahitya Ani Koushalya vikas	F.Y. B.COM Div-C	05/09/23 to 05/11/23	45	-	44	36.66
23999 AEC	Environmental Science	SYBA	04/09/23 to 29/11/23	30	-	30	25.00
239AE CC-1	Environmental Science	S.Y. BCOM	05/09/23 to 30/11/23	30	-	29	24.16

Total Teaching Hours:197.03

The respective curricula has been completed successfully.


Sub. Teacher
HoD,
Faculty In-charge
IQAC Coordinator
Principal**IQAC Co-ordinator**
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.

Bharatiya Jain Sanghatana's ASC College, Wagholi, Pune
Curriculum Completion Report

(2023-2024)

Name :- Prof. Bharti Jadhav

Dept. :- Marathi

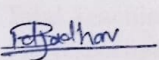
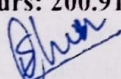
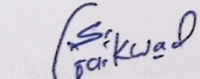
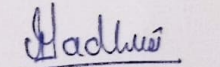
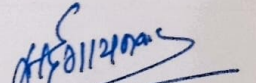
To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207

Subject:- Curriculum completion report for Semester second of the academic year 2023-2024

Respected Sir,

With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.

Course code	Course Name	Class	Date of Start & completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
127B	Bhasha Ani Koushalya vikas	F.Y. B.COM Div-B	11/12/23 to 22/03/24	45	-	44	36.66
127B	Bhasha Ani Koushalya vikas	F.Y. B.COM Div-C	12/12/23 to 22/03/24	45	-	45	37.05
11022 A	Marathi Sahitya: Akankika Ani Bhashik Koushalye Vikas	F.Y.B.A	11/12/23 to 05/04/24	45	-	45	37.05
24022	Bhashik Koushalya Vikas Ani Adhunik Marathi Sahityaprakar: Lalitgadya	S.Y.B.A	14/12/23 to 22/03/24	45	-	44	36.66
CR-8	Marathi Bhahik Lekhan Koushalye	T.Y.B.A	15/03/23 to 29/03/24	-	10	10	06.00
24999 AEC	Environmental Science	S.Y.B.A Div-A,B	11/12/23 to 22/04/24	30	-	29	24.16
249AE CC-2	Environmental Science	SYBCM Div-A,B,C	12/12/23 to 22/04/24	30	-	28	23.33

Total Teaching Hours: 200.91
Sub. Teacher
HoD,
Faculty In-charge
IQAC Coordinator
Principal

IQAC Co-ordinator
Bharatiya Jain Sanghatana's
Science & Commerce College,
Wagholi, Pune-412207

Internal Communication Sheet

From	BBA(CA)	Date	15/06/2023
To	Principal	Purpose	Syllabus Completion

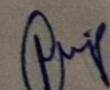
Subject: Syllabus Completion Report of Term I in Academic Year 2021-2022

Respected Sir,

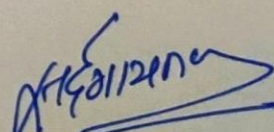
I herewith, submit the report of syllabus completion for the academic year 2023_2024(Term I). As per the SPPU guidelines the term was from 15-06-2023 to 31-12-2023. The details of the subjects taught and practical conducted during the term is as follows:

Sr. No.	Subject	Term/ Sem	Class	Class Test/Assignment	Total Number of Hours allotted	Actual Number of Hours	Remarks
1.	Big Data	Sem III	S.Y.BBA(CA)	03/04	48	60	completed
2.	Cyber Security	Sem V	T.Y.BBA(CA)	04/05	48	60	completed
3.	Project	Sem I	T.Y.BBA(CA)				completed
4.	Practical (Big Data)	Sem III	S.Y.BBA(CA)	-			completed

I have completed above mentioned syllabus successfully.


Subject Teacher


Incharge
Faculty in Charge
Dept. of Commerce
B. J. S. College
Wagholi, Pune - 412 207


I/C Principal
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Internal Communication Sheet

From	BBA(CA)	Date	15/10/2023
To	Principal	Purpose	Syllabus Completion


Subject: Syllabus Completion Report of Term II in Academic Year 2023_2023

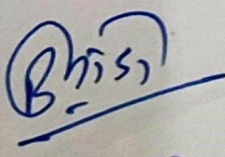
Respected Sir,

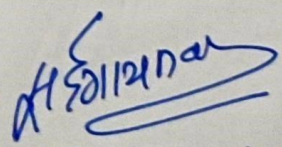
I herewith, submit the report of syllabus completion for the academic year 2021-2022(Term II). As per the SPPU guidelines the term was from 15/10/2023 to 2021 to 31/03/2024 . The details of the subjects taught and practical conducted during the term is as follows:

Sr. No.	Subject	Term/ Sem	Class	Class Test/Assignment	Total Number of Hours allotted	Actual Number of Hours	Remarks
1.	Networking	Sem IV	S.Y.BBA(CA)	03/04	48	50	completed
2.	Web Technology	Sem II	F.Y.BBA(CA)	04/05	48	50	completed
3.	Practical(WT)	Sem II	F.Y.BBA(CA)				completed
4.	Project	Sem IV	S.Y.BBA(CA)				completed

I have completed above mentioned syllabus successfully.


Subject Teacher


Incharge
Dept. of Commerce
B. J. S. College
Wagholi, Pune - 412 207.


Principal
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Internal Communication Sheet

From	BBA(CA)	Date	25/Dec/2023
To	Principal	Purpose	Syllabus Completion

Subject: Syllabus Completion Report of Term I in Academic Year 2023-2024

Respected Sir,

I herewith, submit the report of syllabus completion for the academic year 2023-2024(Term I). As per the SPPU guidelines the term was from 15-06-2023 to 31/12/2023. The details of the subjects taught and practical conducted during the term is as follows:

Sr. No.	Subject	Term/ Sem	Class	Class Test/Assignment	Total Number of Hours allotted	Actual Number of Hours	Remarks
1.	Angular JS	Sem III	S.Y.BBA (CA)	03/04	48	60	completed
2.	Computer Concepts & Application	Sem I	F.Y.Bcom (Div C)	02/02	48	52	completed
3.	Computer Concepts & Application	Sem I	F.Y.Bcom (Div B)	02/02	48	52	completed
4.	Practical (Angular JS)	Sem III	S.Y.BBA (CA)	-			completed

I have completed above mentioned syllabus successfully.

Jadhav
Subject Teacher
Jadhav. J. R

(Bhis)
Incharge
Faculty In charge
Dept. of Commerce
B. J. S. College
Wagholi, Pune - 412 207

H. S. Manan
I/C Principal
Principal
Bharatiya Jain Sanghatana
Arts, Science & Commerce College
Wagholi, Pune-412207.

Internal Communication Sheet

From	BBA(CA)	Date	31/03/2024
To	Principal	Purpose	Syllabus Completion

Subject: Syllabus Completion Report of Term II in Academic Year 2024-2025

Respected Sir,

I herewith, submit the report of syllabus completion for the academic year 2024-2025(Term II). As per the SPPU guidelines the term was from 15-10-2023 to 31/03/2024. The details of the subjects taught and practical conducted during the term is as follows:

Sr. No.	Subject	Term / Sem	Class	Class Test/Assignment	Total Number of Hours allotted	Actual Number of Hours	Remarks
1	Node JS	Sem IV	S.Y.BBA (CA)	03/04	48	60	completed
2.	Computer Concepts & Application	Sem II	F.Y.Bcom (Div C)	02/02	48	52	completed
3.	Computer Concepts & Application	Sem II	F.Y.Bcom (Div B)	02/02	48	52	completed
4.	Practical (Node JS)	Sem IV	S.Y.BBA (CA)	-			completed

I have completed above mentioned syllabus successfully.

dw
Subject Teacher

han. Jayashree

Bhish
Incharge
Dept. of Commerce
B. J. S. College
Wagholi, Pune - 412 207.

H. S. ...
Principal
I/C Principal
Bharatiya Jain Sanghatana
Arts, Science & Commerce Coll
Wagholi, Pune-412207.

Internal Communication Sheet

From	BBA(CA)	Date	25/Dec/2023
To	Principal	Purpose	Syllabus Completion

Subject: Syllabus Completion Report of Term I in Academic Year 2023-2024

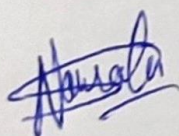
Respected Sir,

I herewith, submit the report of syllabus completion for the academic year 2023-2024(Term I). As per the SPPU guidelines the term was from 15-06-2023 to 31/12/2023. The details of the subjects taught and practical conducted during the term is as follows:

Sr. No.	Subject	Term/ Sem	Class	Class Test/Assignment	Total Number of Hours allotted	Actual Number of Hours	Remarks
1	PM	Sem II	F.Y.BBA (CA)	30/12/2023	48	55	completed
1	Data Structure	Sem III	S.Y.BBA (CA)	03/01/2023	48	50	completed
2	Practical (Data Structure)	Sem III	S.Y.BBA (CA)	24/12/2023	-	-	completed
4.	Software Project	Sem V	TY BBA(CA)	23/12/2023	-	-	completed

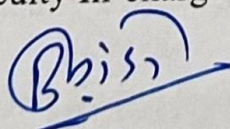
I have completed above mentioned syllabus successfully.

Subject Teacher



(Prof. Pacharne Namrata)

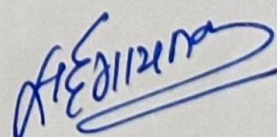
Faculty In-charge



Incharge
Dept. of Commerce
B. J. S. College
Wagholi, Pune - 412 207.

(Dr. Landge B. B.)

Principal



(Dr. Sanjay Gaikwad)

I/C Principal

Bharatiya Jain Sanghatana
Arts, Science & Commerce Col
Wagholi, Pune-412207

Internal Communication Sheet

From	BBA(CA)	Date	31/03/2024
To	Principal	Purpose	Syllabus Completion

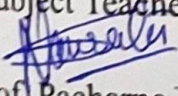
Subject: Syllabus Completion Report of Term II in Academic Year 2024-2025

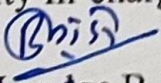
Respected Sir,

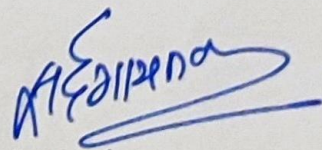
I herewith, submit the report of syllabus completion for the academic year 2024-2025(Term II). As per the SPPU guidelines the term was from 15-10-2023 to 31/03/2024. The details of the subjects taught and practical conducted during the term is as follows:

Sr. No.	Subject	Term / Sem	Class	Class Test/Assignment	Total Number of Hours allotted	Actual Number of Hours	Remarks
1	OB and HRM	Sem II	F.Y.BBA (CA)	30/3/2024	48	60	completed
2	OOP through CPP	Sem IV	S.Y.BBA (CA)	03/04/2024	48	50	completed
3	Practical (CPP)	Sem IV	S.Y.BBA (CA)	26/3/2024	-	-	completed
4.	Software Project	Sem VI	TY BBA(CA)	27/3/2024	-	-	completed

I have completed the above mentioned syllabus successfully.

Subject Teacher

(Prof. Pacharne Namrata)

Faculty In-charge

(Dr. Indira B. B.)
Incharge
Dept. of Commerce
B. J. S. College
Wagholl, Pune - 412 207,


Principal
(Dr. Sanjay Gaikwad)
I/C Principal
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Internal Communication Sheet

From	BBA(CA)	Date	27-04-2024
To	Principal	Purpose	Syllabus Completion

Subject: Syllabus Completion Report of Term II in Academic Year 2023-24

Respected Sir,

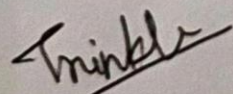
I herewith, submit the report of syllabus completion for the academic year 2023-24 (Term II). As per the SPPU guidelines the term was from 22-12-2023 to 30-04-2024. The details of the subjects taught and practical conducted during the term is as follows:

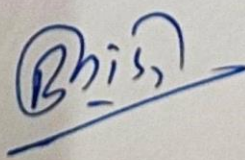
Sr.No	Subject	Sem	Class	Class Test/Assignment	Total Number of Hours allotted	Actual Number of Hours	Remarks
1.	Relational Database	Sem II	F.Y.BBA (CA)	03/4	48	50	completed
2.	Software Testing	Sem VI	T.Y.BBA (CA)	05/6	48	50	completed
3.	Practical (Relational Database)	Sem II	F.Y.BBA(CA)	-			

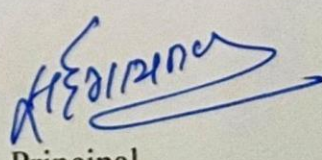
I have completed the above mentioned syllabus successfully.

With regards,

Thank you,


Subject Teacher


Faculty In-charge


Principal
I/C Principal
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Bharatiya Jain Sanghatana's ASC College, Wagholi, Pune
Curriculum Completion Report (2023-2024)

Name :- Prof. Pratiksha M. Sanap
Dept. :- Economics

To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207

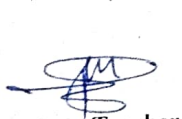
Subject:- Curriculum completion report for Semester III ,and V of the academic year 2023-2024.

Respected Sir,
With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.

Course code	Course Name	Class	Date of Start & completion	No. of class.lect	No. of On. lec	Total Lectures	Total Teaching Hr
233	Business Economics -I	SY.B.com (Div- B&C)	1 st week of August & 4 th Week of October 2023	54	--	54	45 Hours
35152	Public Finance-I	TYBA	1 st week of August & 4 th Week of October 2023	50	--	50	42 Hours
35151	Macro Economics-I	SYBA	1 st week of August To 1 st week of November 2023	50	--	50	42 Hours
35154-SEC-2C	Basic Concepts of Research & Methodology -I	SYBA	4 th week of August & 3 rd week of November 2023	24	--	24	20 Hours
	Business Management	TYBA	4 th week of August & 3 rd week of November 2023	24	-	24	20 Hours

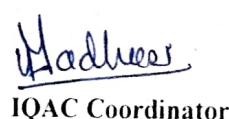
Total Teaching Hours: 169 Hours

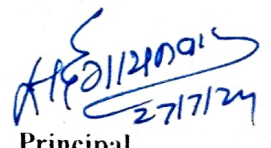
The respective curricular has been completed successfully.


Sub. Teacher


HoD,


Faculty In-charge


IQAC Coordinator


Principal

Bharatiya Jain Sanghatana's ASC College, Wagholi, Pune
Curriculum Completion Report**(2023-2024)**Name :- Prof. Pratiksha M. Sanap
Dept. :- EconomicsTo,
The Principal
BJS's ASC College
Wagholi, Pune- 412207**Subject:- Curriculum completion report for Semester IV and VI of the academic year 2023-2024.**Respected Sir,
With reference to the above mentioned subject, I am submitting the curriculum completion report for your kind perusal.

Course code	Course Name	Class	Date of Start & completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
243	Business Economics -II	SY.B.com (Div-B&C)	December 2023 To March 2024	54	--	54	45 Hours
36152-DSE-2D	Public Finance - II	TYBA	December 2023 To March 2024	50	--	50	42 Hours
24152-DSE-2B	Macro Economics-II	SYBA	December 2023 To March 2024	50	--	50	42 Hours
24154-2B	Research & Methodology-II	SYBA	December 2023 To March 2024	24	--	24	20Hours
36154-2D	Business Management	TYBA	December 2023 To March 2024	24	--	24	20 Hours

Total Teaching Hours: 169 Hours

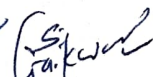
The respective curricular has been completed successfully.



Sub. Teacher



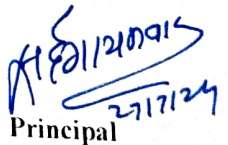
HoD,



Faculty In-charge



IQAC Coordinator



27/7/24
Principal


The criteria to be followed while preparing the teaching plan are:

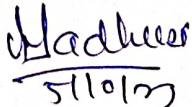
- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work


S. N	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinesthetic)	Criteria Followed (A/B/C/D)	Methodology / pedagogy
1	2 nd , 3 rd and 4 th week of July 2023	Introduction and Basic Concepts 1.1 Meaning, Nature, Scope and Importance of Business Economics 1.2 Concept of Micro and Macro Economics 1.3 Tools for Economic Analysis- Functional Relationship, Schedules, Graphs and Equations 1.4 Basic Concepts: Household, Consumer, Firm, Plant and Industry 1.5 Goals of Firms- Economic and Non-Economic	<ul style="list-style-type: none"> Students will understand basic concepts of micro economics. Students will be able to analyze and interpret. 	Visual / Auditory	A,C	<ul style="list-style-type: none"> Classroom Teaching, PPT Group discussion Oral
2	1 st , 2 nd , 3 rd week of August 2023	Consumer Behavior 2.1 Utility: Concept and Types 2.2 Cardinal Approach: Law of Diminishing Marginal Utility and Law of Equi-Marginal Utility 2.3 Consumer Surplus: Concept and Measurement 2.4 Ordinal Approach: Indifference curve Analysis- Concept, Characteristics, Consumer Equilibrium	<ul style="list-style-type: none"> Students will know cardinal and ordinal approach. Students will understand the concept of consumer surplus. 	Visual / Auditory	A,C	<ul style="list-style-type: none"> Classroom Teaching, PPT Open book discussion Case studies Problem solving based

						learn
3	4 th week of August, 1 st , 2 nd , week of September	Demand and Supply Analysis 3.1 Concept of Demand 3.2 Determinants of Demand 3.3 Law of Demand 3.4 Elasticity of Demand 3.4.1 Price Elasticity of Demand -Meaning, Types, Measurement, Uses and Significance 3.4.2 Income Elasticity of Demand-Meaning and Types 3.4.3 Cross Elasticity of Demand-Meaning and Types 3.5 Supply : Concept, Determinants and Law of Supply 3.6 Equilibrium of Demand and Supply for Price Determination	<ul style="list-style-type: none"> Students will understand the concept of demand and elasticity of demand. Students will understand the concept of supply. Students will be Able to interpret equilibrium in the market. 	Visual / Auditory	A,C	<ul style="list-style-type: none"> Classroom m Teaching PPT Game oriented classes Pair learning Group discussion Visual / Auditory
4	4 th week of September, 1 st , 2 nd , 3 rd week of October	Production Analysis. 4.1 Concept of Production Function 4.2 Total, Average and Marginal Production 4.3 Law of Variable Proportions 4.4 Law of Returns to Scale 4.5 Economies and Diseconomies of Scale Internal and External	<ul style="list-style-type: none"> Students will understand revenue concept. Students will know economies and diseconomies of scale. 	Visual / Auditory	A,C	<ul style="list-style-type: none"> Classroom m Teaching PPT Group discussion Teacher driven power point presentation Games and simulation


Sachin A.S.
 Subject Teacher


Dr. Balwant Landge
 Head of the Department


IQAC Co-ordinator
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.



Principal
B.J.S. ASC College,
Wagholi, Pune.

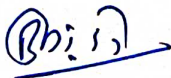
The criteria to be followed while preparing the teaching plan are:

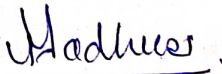
- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work


S. N	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinesthetic)	Criteria Followed (A/B/C/D)	Methodology / pedagogy
1	3 rd , 4 th week of December 2023 and 1 st week of January 2024	Cost and Revenue 1.1 Concepts and Types of Cost- Economic Cost and Accounting Cost, Private Cost and Social Cost, Actual Cost and Opportunity Cost, Explicit Cost and Implicit Cost, Incremental Cost and Sunk Cost, Fixed Cost and Variable Cost 1.2 Relation between Total Cost, Average Cost and Marginal Cost 1.3 Cost Curves in Short run and Long run 1.4 Concept of Total Revenue, Average Revenue and Marginal Revenue	<ul style="list-style-type: none"> Students will understand the concept and types of cost. Students will know about short run and long run cost concepts. Students will have knowledge about types of revenue 	Visual / Auditory	A,C	<ul style="list-style-type: none"> Open book discussion. Case studies Classroom Teaching, PPT
2	2 nd , 3 rd and 4 th week of January 2024	Pricing Under Perfect Market Conditions 2.1 Pure Competition: Meaning and Features 2.2 Features of Perfect Competition 2.3 Price Determination in Perfect Competition 2.4 Equilibrium of Firm and Industry in Short Run and Long Run.	<ul style="list-style-type: none"> Students will understand the concept of pure and perfect competition Students will know about the equilibrium of firm and industry in short and long run. 	Visual / Auditory	A,C	<ul style="list-style-type: none"> Classroom Teaching, PPT Digital lectures Group discussion, Oral
		Pricing Under Imperfect Market				•Classroom

3	1 st , 2 nd , 3 rd , and 4 th week of February 2024	Conditions 1.1 Meaning of Imperfect Competition 1.2 Monopoly: Features and Equilibrium, Price Discrimination 3.3 Monopolistic Competition- Features and Equilibrium. 3.4 Oligopoly: Concept and Features 3.5 Duopoly: Concept and Features 3.6 Comparison of Perfect and Imperfect Competition	<ul style="list-style-type: none"> Students will develop ability to understand the market structures under imperfect competition Students will be able to compare perfect and imperfect competition 	Visual / Auditory	A,C	Teach PPT •Game oriented classes •Dramatization •Group discussion
4	1 st , 2 nd , 3 rd , and 4 th week of March 2024	Factor Pricing 4.1 Marginal Productivity Theory of Distribution 4.2 Rent- Meaning, Ricardian Theory of Rent, Modern Theory of Rent, Concept of Quasi Rent 4.3 Wages 4.3.1 Meaning and Types of Wages a) Minimum Wages b) Money Wages c) Real Wages d) Subsistence Wages e) Fair Wages 4.3.2 Backward Bending Supply Curve of Labor. 4.3.3 Role of Collective Bargaining in Wage Determination 4.4 Interest-Meaning, Loanable Fund Theory, Liquidity Preference Theory 4.5 Profit- Meaning, Risk and Uncertainty Theory of Profit, Dynamic Theory of Profit, Innovation Theory of Profit	<ul style="list-style-type: none"> Students will understand the theory of marginal productivity. Students will understand the concept and theories in factor pricing 	Visual / Auditory	A,C	•Classroom Teaching, PPT •Group discussion •Teacher driven power point presentation


Sachin A.S
 Subject Teacher


Dr. Balwant Landge
 Head of the Department


 5/10/23
IQAC Co-ordinator
 Bharatiya Jain Sanghatana's
 Arts, Science & Commerce College,
 Wagholi, Pune- 412207.


 5/10/23
Principal
 B.J.S. ASC College,
 Wagholi, Pune.


Department of Commerce
Teaching Plan for the Academic Year 2023-24
Subject: (353-A) Indian & Global Economic Development Class:-TY.B.Com Div:-C
Semester:- V


The criteria to be followed while preparing the teaching plan are:

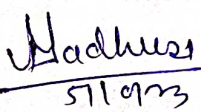
- 70% - Actual Classroom Teaching where different pedagogy can be involved
- 10 % - Online Teaching (via. Zoom, You tube, and other such platforms)
- 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- 10% - Seminar/ project work


S. N	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinesthetic)	Criteria Followed (A/B/C/D)	Methodology / pedagogy
1	1 st , 2 nd and 3 rd week of August 2023	Indian and Global Economy 1.1 Economic Development: Meaning and Indicators 1.2 Developed and Developing Countries: Meaning 1.3 Characteristics of Indian Economy as an Emerging Economy 1.4 Comparison of the Indian Economy with World Economy with reference to: National Income, Population, Agriculture, Industry and Service Sector	<ul style="list-style-type: none"> Students will understand basic concepts of Development. Students will be able to analyze and interpret critically 	Visual / Auditory	A,C	Classroom Teaching, PPT, Group discussion or Oral
2	4 th Week of August and 1 st and 2 nd Week of September 2023	Agricultural Development In India 2.1 Indian Agriculture: Role and Progress 2.2 Low Productivity of Indian Agriculture: Causes and Measures 2.3 Agricultural Finance: Need and Sources 2.4 Agricultural Marketing: Problems and 82 Measures 2.5 New Farm Act 2020 2.6 Organic Farming and Contract Farming: Meaning and Advantages	<ul style="list-style-type: none"> Students will know Difficulties in agricultural development in India. Will understand the sources of agro finance marketing 	Visual / Auditory	A,C	Classroom Teaching, PPT, Group discussion or Oral
3	3 rd , 4 th Week of September	Industrial Development in India. 3.1 Role of Industrialization in Indian Economic Development 3.2 New Industrial Policy 1991 3.3 Role of Micro, Small and Medium Scale Enterprises (MSMEs) in India	<ul style="list-style-type: none"> Students will understand New Industrial Policy Able to interpret the features of Indian 	Visual / Auditory	A,C	Classroom Teaching, PPT, Group

	2023 and 1 st Week of October	3.4 Role and Problems of Public Sector Enterprises in India 3.5 New Schemes for Industrial Development: Make in India, Start- up India and Stand up India	Industrial Sector			dis Oral
4	2 nd , 3 rd , and 4 th Week of October 2023	Service Sector and Infrastructural Development in India 4.1 Role and Growth of Service Sector in India 4.2 Meaning and Effects of Digital Economy, E Commerce and E- Finance 4.3 Role of Infrastructure in Economic Development of India 4.4 Role of Public and Private Sector in Infrastructural Development	<ul style="list-style-type: none"> • Students will understand the Role of service sector in economy • Students will know the importance of Infrastructural Development in Indian Economy 	Visual / Auditory	A,C	Classroom Teaching, PPT, Group discussion Oral


Sachare A.S.
Subject Teacher


Dr. Balwant Lunge
Head of the Department


511973
IQAC Co-ordinator


Off. Principal
B.J.S. ASC College,
Wagholi, Pune.

IQAC Co-ordinator
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College,
Wagholi, Pune- 412207.


**Department of Commerce
Teaching Plan for the Academic Year 2023-24
Subject: (363-A) Indian & Global Economic Development Class: -TY.B. Com Div: -C
Semester: -VI**

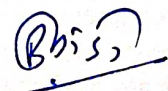
The criteria to be followed while preparing the teaching plan are:

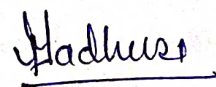
- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S. N	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinesthetic)	Criteria Followed (A/B/C/D)	Methodology / pedagogy
1	3 rd , 4 th week of December 2023 and 1 st week of January 2024	Human Resources and Economic Development 1.1 Role of Human Resources in Economic Development 1.2 Human Development Index and India 1.3 Concepts of Different Indexes in Quality of Life and Status of India 1.3.1 Gender Development Index 1.3.2 Gender Inequality Index 1.3.3 Human Poverty Index 1.3.4 Global Hunger Index	<ul style="list-style-type: none"> Students will understand concepts of Development Student Will be able to critically evaluate status of India as compared to world 	Visual / Auditory	A,C	Classroom Teaching, PPT, Group discussion, Oral
2	2 nd , 3 rd and 4 th week of January 2024	Foreign Capital and Economic Development 2.1 Role of Foreign Capital in Economic Development 2.2 Types of Foreign Capital 2.3 Foreign Investment in India Since 2001 2.4 Limitations of Foreign Capital	<ul style="list-style-type: none"> Student Will understand the concepts of Foreign Capital. 	Visual / Auditory	A,C	Classroom Teaching, PPT, Group discussion, Oral
3	1 st , 2 nd , 3 rd , and 4 th week of	India's Foreign Trade and Balance of Payment 3.1 Role of Foreign Trade in Indian Economic Development 3.2 India's Foreign Trade Since 2001 3.3 India's Recent Foreign Trade	<ul style="list-style-type: none"> Students will understand the concepts of Balance 	Visual /		Classroom


	February 2024	Policy (EXIM Policy) 3.4 Meaning and Components of Balance of Payment 3.5 India's Balance of Payment Since 2001 3.6 Causes of Unfavorable Balance of Payment 3.7 Convertibility of Indian Rupee – Current and Capital Account	of Trade and Balance of Payment • Students will able to make comparison of Indian trade with other countries	Auditory	A,C	Tea PPT, Group discussior Oral
4	1 st , 2 nd , 3 rd , and 4 th week of March 2024	International Financial Institutions & Regional Economic Cooperation Purpose 4.1 International Bank for Reconstruction and Development (World Bank) - Objectives and Functions 4.2 International Monetary Fund (IMF) - Organization and Functions 4.3 World Trade Organization (WTO) - Introduction and Functions 4.4 South Asian Association for Regional Co-operation (SAARC) – Introduction and Functions 4.5 BRICS: Introduction and Function	• Students will understand the importance of International Financial Institutions. • Students will be able the Organization and Functions of International Cooperation Organizations	Visual / Auditory	A,C	Classroom Teaching, PPT, Group discussior Oral


Sachin A.S
 Subject Teacher


Dr. Baiwankh
 Head of the Department


IQAC Co-ordinator

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 Wagholi, Pune- 412207.


Principal
 B.J.S. ASC College,
 Wagholi, Pune.

Department of Commerce
Teaching Plan for the Academic Year 2023-24
Subject: 60102-A Industrial Economics Class: -M.com Div: -A Semester:-I


The criteria to be followed while preparing the teaching plan are:


- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

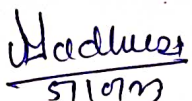
S. N	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinesthetic)	Criteria Followed (A/B/C/D)	Methodology / pedagogy
1	4 th , Week of August and 1 st , and 2 nd Week of September 2023	Introduction to Industrial Economics <ol style="list-style-type: none"> 1. Meaning, Nature and Scope of Industrial Economics 2. Need and Significance of Industrial Economics 3. Concept of Productivity and Efficiency 4. Concept of Composition and Growth - Structural Transformation of Public Sector Industries and Private Sector Industries 5. Classification of Industries after 1991 6. Role of Agro Industries after 1991 7. Changing Role of Public Sector and Private Sector Industries and their Problems. 8. Industrial Combinations- Causes, Mergers, Amalgamation and Acquisition 	<ul style="list-style-type: none"> • Students will understand concepts of Industrial Economics • Student Will be able to critically evaluate status of India Industrial sector 	Visual / Auditory	A,C	Classroom Teaching, PPT, Group discussion, Oral
2	3 rd , and 4 th Week of September 2023 and	Industrial Location and Regional Development <ol style="list-style-type: none"> 1. Factors Affecting Location of Industries 2. Theories of Industrial Location – <ol style="list-style-type: none"> a) Alfred Weber's Theory b) Sergeant Florence Theory c) Matrix Theory of Industrial Location 3. Industrial Imbalance – 	<ul style="list-style-type: none"> • Student Will understand the Theories of Industrial Location. 	Visual / Auditory	A,C	Classroom Teaching, PPT, Group discussion, Oral

	1 st , week of October 2023	a) Need for Balanced Regional Development b) Causes of Industrial Imbalance c) Measures for Solving Industrial Imbalance 4. Hirschman Theory of Unbalanced Growth 5. Regional Industrial Imbalance in India- a) Extent of Regional Industrial Imbalance b) Government Policy for Balanced Regional Industrial Development.				Oral
3	2 nd , 3 rd , and 4 th week of October 2023	Industrial Finance and Policy 1. Sources of Industrial Finance- a) Types of Internal Sources of Finance b) Types of External Sources of Finance 2. Institutional Finance- Role and Contribution of IDBI, SFCs, SIDBI, NABARD and EXIM Bank 3. Foreign Capital- a. Institutional Foreign Capital- International Development Agency (IDA), International Financial Corporation (IFC), Asian Development Bank (ADB), BRICS Bank b. External Commercial Borrowings- American Depositary Receipt (ADR), Global Depositary Receipt (GDR) 4. Recent Trends in Financing Large Scale Industries 5. Recent Trends in Financing MSMEs (MUDRA, Startup Loan, Crowd Funding)	<ul style="list-style-type: none"> • Student will understand the Industrial Finance and Policy • Student will be able to understand Recent Trends in Financing Large Scale Industries. 	Visual / Auditory	A,C	Classroom Teaching, PPT, Group discussion, Oral
4	1 st , 2 nd , and 3 rd week of November 2023	Major Industries in Maharashtra: Working, Problems and Progress 1. Pharmaceutical Industries 2. Petrochemical and Chemical Industries 3. Electronics Industries 4. Software Industries 5. Cooperative Industries 6. Agro Based and Forest Industries 7. Food Processing Industries 8. Construction Industries Regional Co-operation (SAARC) –	<ul style="list-style-type: none"> • Student will understand the importance of Major Industries in Maharashtra. • Student will be able to understand workers problems. 	Visual / Auditory	A,C	Classroom Teaching, PPT, Group discussion, Oral


	Introduction and Functions 4.5 BRICS: Introduction and Function				
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Subject Teacher


Head of the Department


IQAC Co-Ordinator

IQAC Co-ordinator
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Off. Principal
B.J.S. ASC College
Wagholi, Pune.

Department of Economics

Teaching Plan for the Academic Year 2023-24

Subject: Micro Economics-I

Class: SYBA

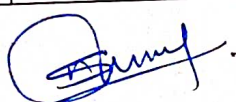
Semester: III

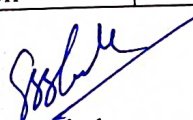
The criteria to be followed while preparing the teaching plan are:

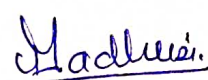
- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S. N.	Schedule	Topic	Learning Outcome	Approach (Visual / Auditory/ Kinesthetic)	Criteria Followed (A/ B/C /D)	Methodology / pedagogy
1.	1 st Week of August 23	Meaning, Nature, Scope, Importance of Micro economics Basic Economic Problems	To develop an understanding of basic theories of micro economics and their application.	Visual Auditory Kinesthetic	A, C	Classroom teaching, PPT, Group Discussion, Student Seminar, Study Tours
2.	2 nd & 4 th Week of August 23	Tools of economic analysis- Functional Relationship, Schedules, Graphs and Equations Variables- Dependent and Independent Variable, Endogenous and Exogenous				
3.	1 st & 2 nd Week of September 23	Utility – Meaning and Types Cardinal Approach: Law of Diminishing Marginal Utility, Law of Equi-Marginal Utility, Consumer's Equilibrium				
4.	3 rd & 4 th Week of September 23	Ordinal Approach: Indifference Curve Analysis- Meaning and Definition, Characteristics of Indifference Curve, Consumer's Equilibrium				

5.	1 st & 2 nd Week of October 23	Meaning of Demand, Determinants of Demand The Law of Demand & Its Exceptions, Market Demand	To develop an understanding of basic theories of micro economics and their application.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Group Discussion, Student Seminar, Study Tours
6.	3 rd Week of October 23	Elasticity of Demand – Meaning and Types				
7.	4 th Week of October 23	Meaning, Definition and Determinants of Supply				
8.	1 st & 2 nd Week of November 23	The Law of Supply Elasticity of Supply: Meaning and Types				
9.	3 rd & 4 th Week of November 23	The Production Function: Meaning and Definition Total, Average and Marginal Production				


Mr. A. S. Sakhare
Subject Teacher


Mr. S.B. Shinde
Head of the Department


Dr. Madhuri Deshmukh
IQAC Co-ordinator


Dr. Sanjay Gaikwad
offg. Principal
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IQAC Co-ordinator
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Wagholi, Pune- 412207.

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College Wagholi, Pune – 412207.
DEPARTMENT OF BBA (CA)

Teaching Plan for the Academic Year 2023-24

Subject Name	C++	Course Code: CA- 402	
Class	S.Y.B.B.A (CA)	Semester	Semester- IV
Name of Faculty	Prof.Pacharne N.S	No. of Lectures Required	48 Hours

Unit No.	Topics	No. of Lectures	Schedule
Unit 1	Introduction to C++ 1.1 Basic concepts, features, advantages and applications of OOP 1.2 Introduction, applications and features of C++ 1.3 Input and Output operator in C++ 1.4 Simple C++ program	2	3 rd Week of Dec 2023
Unit 2	Beginning with C++ 2.1 Data type and Keywords 2.2 Declaration of variables, dynamic initialization of variables, reference variable 2.3 Operators: 2.3.1 Scope resolution operator 2.3.2 Memory management operators 2.4 Manipulators 2.5 Functions: 2.5.1 Function prototyping, call by reference and return by reference 2.5.2 Inline functions 2.6 Default arguments	8	4 th Week of Dec 2023 1 st Week of Jan 2024
Unit 3	Classes and Objects 3.1 Structure and class, Class, Object 3.2 Access specifiers, defining data member 3.3 Defining member functions inside and outside class definition. 3.4 Simple C++ program using class 3.5 Memory allocation for objects 3.6 Static data members and static member functions 3.7 Array of objects, objects as a function argument 3.8 Friend function and Friend class 3.9 Function returning objects	8	2 nd & 3 rd Week of Jan 2024
Unit 5	Constructors and Destructors 4.1 Constructors 4.2 Types of constructor : Default, Parameterized, Copy 4.3 Multiple constructors in a class 4.4 Constructors with default argument 6 SPPU BBA(CA)COURSE CONTENT-SEMESTER III and IV	6	1 st to 2 nd Week of Feb 2024

	CBCS/2019 PATTERN Annexure I Page23 4.5 Dynamic initialization of constructor 4.6 Dynamic constructor 4.7 Destructor		
Unit 6	Inheritance 6.1 Introduction 6.2 Defining Base class and Derived class 6.3 Types of Inheritance 6.4 Virtual Base Class 6.5 Abstract class 6.6 Constructors in derived class	6	3 rd Week of Feb 2023
Unit 7	Polymorphism 7.1 Compile Time Polymorphism 7.1.1 Introduction, rules for overloading operators 7.1.2 Function Overloading 7.1.3 Operator Overloading unary and binary 7.1.4 Operator Overloading using friend function 7.1.5 Overloading insertion and extraction operators 7.1.6 String manipulation using operator overloading 7.2 Runtime Polymorphism 7.2.1 this Pointer, pointers to objects, pointer to derived classes 7.2.2 Virtual functions and pure virtual functions	8	3 rd to 4 th Week of Feb 2024
Unit 8	Managing console I/O operations 8.1 C++ streams and C++ stream classes 8.2 Unformatted I/O operations 8.3 Formatted console I/O operations 8.4 Output formatting using manipulators 8.5 User defined manipulators	3	1 st Week of March 2024
Unit 9	Working with Files 9.1 Stream Classes for File operations 9.2 File operations - Opening, Closing and updating 9.3 File updating with random access. 9.4 Error handling during File Operations 9.5 Command Line arguments	6	1st and 2nd Week of March 2024
Unit 10	Templates 10.1 Introduction 10.2 Class Template and class template with multiple parameters 10.3 Function Template and function template with multiple parameter 10.4 Exception Handling Introduction	3	3 rd Week of March 2024
	Total No of Lectures	48	

Note: The teaching plan is according to University Norms.

Reference Books:

- 1) Object Oriented programming with C++ by E Balagurusamy
- 2) Object Oriented Programming with C++ by Robert Lafore
- 3) The Complete Reference C++ by Herbert Schildt

Date of Submission:

Sign of Teacher

(Prof. Pacharne Namrata)

Faculty Incharge
Incharge
Dept. of Commerce
B. J. S. College
Wagholl, Pune - 412 207.

Principal

(Dr. Sanjay Gaikwad)

Bharatiya Jain Sanghatana's ASC
College Wagholi, Pune – 412207.
DEPARTMENT OF BBA (CA)

Teaching Plan for the Academic Year 2023-24

Subject Name	Data Structure	Course Code: CA- 302	
Class	S.Y.B.B.A (CA)	Semester	Semester- III
Name of Faculty	Prof. Pacharne N.S	No. of Lectures Required	48 Hours

Unit No.	Topics	No. of Lectures	Schedule
Unit 1	Basic Concept and Introduction to Data Structure 1.1 Pointers and dynamic memory allocation 1.2 Algorithm-Definition and characteristics 1.3 Algorithm Analysis -Space Complexity -Time Complexity - Asymptotic Notation Introduction to Data structure 1.4 Types of Data structure 1.5 Abstract Data Types (ADT) Introduction to Arrays and Structure 1.6 Types of array and Representation of array 1.7 Polynomial - Polynomial Representation - Evaluation of Polynomial - Addition of Polynomial 1.8 Self Referential Structure	5	1 st Week of Aug 2023
Unit 2	Linear data structures 2.1 Introduction to Arrays - array representation 2.2 Sorting algorithms with efficiency - Bubble sort, Insertion sort, Merge sort, Quick Sort, Selection Sort 2.3 Searching techniques –Linear Search, Binary search	6	2 nd & 3 rd Week of Aug 2023
Unit 3	Linked List 3.1 Introduction to Linked List 3.2 Implementation of Linked List – Static & Dynamic representation, 3.3 Types of Linked List - Singly Linked list(All type of operation) - Doubly Linked list (Create , Display) - Circularly Singly Linked list (Create, Display) - Circularly Doubly Linked list (Create, Display) 3.4 Generalized linked list – Concept and Representation	6	3 rd & 4 th Week Aug 2023

Unit 4	Stacks 4.1 Introduction 4.2 Representation- Static & Dynamic 4.3 Primitive Operations on stack 4.4 Application of Stack 4.5 Conversion of Infix, prefix, postfix , Evaluation of postfix and prefix	8	1 st & 2 nd Week of Sept 2023
Unit 5	Queues 5.1 Introduction 5.2 Representation - Static & Dynamic 5.3 Primitive Operations on Queue 5.4 Circular queue, priority queue 5.5 Concept of doubly ended queue	4	3 rd Week of Sept 2023
Unit 6	Trees 6.1 Concept & Terminologies 6.2 Binary tree, binary search tree 6.3 Representation – Static and Dynamic 6.4 Operations on BT and BST – create, Insert, delete, , counting leaf, non-leaf & total nodes , 6.5 Tree Traversals (preorder, inorder, postorder) 6.6 Application - Heap sort 6.7 Height balanced tree- AVL trees- Rotations, AVL tree examples	12	4 th week of September & 2 nd Week of Oct 2023
Unit 7	Graph 7.1 Concept & terminologies 7.2 Graph Representation – Adjacency matrix, adjacency list, inverse Adjacency list, adjacency multi list, orthogonal list 7.3 Degree of Graph 7.4 Traversals – BFS and DFS 7.5 Applications – AOV network – topological sort, AOE network – criticalPath	7	3 rd & 4 th Week Of Oct 2023
	Total No of Lectures	48	

Note: The teaching plan is according to University Norms.

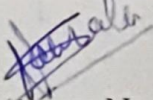
Recommended Books

Reference Books:

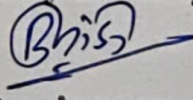
1. Fundamentals of Data Structures ---- By Horowitz Sahani (Galgotia)
2. Data Structures using C and C++ --- By YedidyahLangsam, Aaron M. Tenenbaum, Moshe J. Augenstein
3. Introduction to Data Structures using C---By Ashok Kamthane
4. Data Structures using C --- Bandopadhyay&Dey (Pearson)
5. Data Structures using C ---By Srivastava BPB Publication.

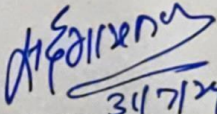
Date of Submission:

Sign of Teacher


(Prof. Pacharne Namrata)

Faculty Incharge


(Dr. Indira B.)
Dept. of Commerce
B. J. S. College
Wagholi, Pune - 412 207.


31/7/24
Principal

(Dr. Sanjay Gaikwad)

I/C Principal

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Department of BBA(CA)

Teaching Plan for the Academic Year 2022-23

Subject Name	OB and HRM (Subject Code: 201)		
Class	F.Y.B.B.A (CA)	Semester	II
Name of Faculty	Mrs. Pacharne N.S	No. of Lectures Required	48Hours

Objectives:-

- To understand basic concept of HRM & OB
- To make aware students about traditional & modern methods of procurement & development in organization.
- To know the major trends in HRM & OB

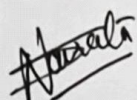
Unit No.	Topic	No. of Lec.	Schedule
1.	Introduction to Organizational Behavior:- Definition, concept, scope, Models of OB, Major trends in OB:-Total Quality management, Cultural diversity, Organizational change, Stress Management: Sources of Stress, Effects of Stress & Stress Management, Work life Balance and Quality of Work Life	12	3 rd and 4 th Week Dec 2023
2	Introduction to HRM:- Introduction to HRM- Definition, Concepts, scope, importance Functions ,Objectives & limitations, , Role of HR Manager , Areas in which Human Resource Manager can be of assistance	12	1 st ,2 nd and 3 rd Week of Jan 2024
3	Procurement: - HRP-Concept, Definition, Merits & Demerits, process , influencing factors of HRP Recruitment-Concept, Definition, sources of recruitment and their utility in identifying vacancies, methods, E-recruitment, Selection- Concepts, definition, process, Types of interviews and frequently asked interview questions from the candidate at each step and how to answer them, E-selection	12	1 st , 2 nd and 3 rd 3 rd Week of Feb 2024
4	Training & Development Training & Development- Concept, definition, importance, Methods, E-Training, Recent trends in Training	12	1 st ,2 nd and 3 rd Week of March 2024
Suggested Total No. of Lectures:		48	

References:

Sr. No.	Title of the Book	Author/s	Publication	Place
1	Human Resources Management.	L.M. Prasad	Sultan and Chand	New Delhi
2	Human Resources Management.	K. Ashwathappa	Tata McGraw Hill	New Delhi
3	Personnel Management	C. B. Mamoria		
4	Organizational Behavior Text, Cases and Games	- K. Aswathappa,	Tata McGraw Hill	New Delhi
5	Organizational Behavior	L.M. Prasad	Sultan and Chand	New Delhi

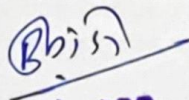
Date of Submission

Sign of Teacher



(Prof. Pacharne N.S.)

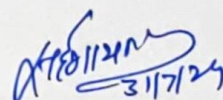
Faculty Incharge



(Dr. G. S. D. Incharge)

Dept. of Commerce
B. J. S. College
Wagholl, Pune - 412 207.

Principal



I/C Principal
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholl, Pune-412207.
(Dr. Gaikwad S.D.)

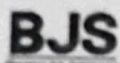
Subject Name	Principle of Management (Subject Code: 102)		
Class	F.Y.B.B.A (CA)	Semester	I
Name of Faculty	Mrs. Pacharne N.S	No. of Lectures Required	48Hours

Objectives:-

To understand basic concept regarding org. Business Administration

To examining how various management principles To develop managerial skills among the students

Unit	Topic	No of lectures	Schedule
1	Nature of management Meaning , importance , functions ,types Management as an art ,science and social system Universality of concept of management and organization	12	1 st week ,2 nd and 3rd Week of Aug 2023
2	Evolution of management thoughts Concept of managerial thoughts Contribution of Taylor, Mayo and Fayol and Drucker and Indian Management Ethos	12	4 th Aug and 1 st week and 2 nd of Sept 2023
3	Major managerial Functions Planning , need types ,methods , advantages ,merits Forecasting. need types ,methods , advantages ,merits Decision making types process and techniques Directions nature and principles and Motivation –nature, principles and theories Organizing –concept delegation of authorities decentralization concepts and importance	12	3 rd ,4 th of Sept and 1st Oct 2023
4	Recent trends in Management Management of change , Mgt of crises ,TQM ,stress management (Principles ,concepts merits)	12	2nd,3 rd & 4 th Week Of Oct 2023



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DEPARTMENT OF BBA (CA)

Teaching Plan for the Academic Year 2023-24

Subject Name	Angular JS	Course Code: CA- 304 (Option)	
Class	S.Y.B.B.A (CA)	Semester	Semester- III
Name of Faculty	Prof. Jayashri Jadhav	No. of Lectures Required	48 Hours

Unit No.	Topics	No. of Lectures	Schedule
Unit 1	AngularJS Core Concepts: 1.1 What is AngularJS? 1.2 Difference between JavaScript and Angular JS 1.3 Advantages of Angular 1.4 AngularJS MVC Architecture 1.5 Introduction to SPA 1.6 Setting up the environment 1.7 First App using MVC architecture	8	1 st & 2 nd Week of Aug 2023
Unit 2	AngularJS Directives and Expressions: 2.1 Understanding ng attributes ng-app, ng-init, ng-model, ng-controller, ng-bind, ng-repeat, ng-show, ng-read-only, ng-disabled, ng-if, ng-click 2.2 Expression and Data Binding 2.3 Working with directives	10	3 rd & 4 th Week Aug 2023
Unit 3	AngularJS Modules, Controller, View and Scope: 3.1 Angular Modules 3.2 Angular Controller 3.3 Angular View 3.4 Scope hierarchy	10	1 st & 3 rd Week of Sept 2023
Unit 4	Filter, Forms and Ajax Filters 4.1 Built-in filters - upper case and lower case filters, date ,currency and number formatting ,order By, filter ,custom filter, 4.2 Angular JS Forms – Working with AngularJS forms, model binding, form controller ,Using CSS classes, form events , custom model update triggers ,custom validation, Shttp service , 4.3 Ajax implementation using Shttp	12	4 th week of September & 2 nd Week of Oct 2023
Unit 5	Dependency Injection, Services		3 rd & 4 th

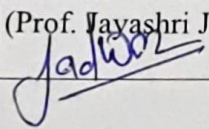
5.1 What is dependency injection? 5.2 Understanding services 5.3 Using built-in service 5.4 Creating custom service, 5.5 Injecting dependency in service	8	Week Of Oct 2023
Total No of Lectures	48	

Note: The teaching plan is according to University Norms.

Recommended Books

1. Beginning Angular with Typescript (updated to Angular 5) by Greg Lim
2. Mastering Web Application Development with AngularJS by Pawel Kozlowski, Peter Bacon Darwin
3. <https://www.tutorialsteacher.com/angularjs/angularjs-scope>

Date of Submission:

Sign of Teacher	Faculty Incharge	Principal
(Prof. Jayashri Jadhav) 	(Dr. Landge B. B.) Incharge Dep. : Commerce S. College Wagholi, Pune - 412207.	(Dr. Sanjay Gaikwad) I/C Principal Bharatiya Jain Sanghatana's Arts, Science & Commerce College Wagholi, Pune-412207.

Bharatiya Jain Sanghatana's ASC College
Wagholi, Pune – 412207.
DEPARTMENT OF BBA (CA)

Teaching Plan for the Academic Year 2023-24

Subject Name	Node JS	Course Code: CA- 404(Option)	
Class	S.Y.B.B.A (CA)	Semester	Semester- IV
Name of Faculty	Prof. Jayashri Jadhav	No. of Lectures Required	48 Hours

Unit No.	Topics	No. of Lectures	Schedule
Unit 1	Introduction to Node JS 1.1 Introduction 1.2 What is Node JS? 1.3 Advantages of Node JS 1.4 Traditional Web Server Model 1.5 Node.js Process Model 1.6 Install Node.js on Windows 1.7 Working in REPL	8	3 rd to 4 th Week of Dec 2023
Unit 2	Node JS Modules 2.1 Functions 2.2 Buffer 2.3 Module 2.4 Module Types 2.5 Core Modules 2.6 Local Modules 2.7 Module. Exports	10	1 st & 2 nd Week of Jan 2024
Unit 3	Node Package Manager 3.1 What is NPM? 3.2 Installing Packages Locally 3.3 Adding dependency in package. Son 3.4 Installing packages globally 3.5 Updating packages	6	2 nd & 4 th Week of Jan 2024
Unit 4	Web server 4.1 Creating web server 4.2 Handling http requests 4.3 Sending requests	6	1 st to 2 nd Week of Feb 2024
Unit 5	File System 5.1 Fs.readFile 5.2 Writing a File 5.3 Writing a file asynchronously 5.4 Opening a file	8	3 rd Week of Feb 2023

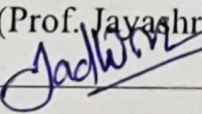
	5.5 Deleting a file 5.6 Other IO Operations		
Unit 6	Events 6.1 Event Emitter class 6.2 Returning event emitter 6.3 Inhering events	4	3 rd to 4 th Week of Feb 2024
Unit 7	Database connectivity 7.1 Connection string 7.2 Configuring 7.3 Working with select command 7.4 Updating records 7.5 Deleting records	6	1 st to 3 rd Week of March 2024
	Total No of Lectures	48	

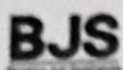
Note: The teaching plan is according to University Norms.

Recommended Books

- 1) Node.js complete reference guid, velentinBojinov, David Herron, DiogeResende, packt Publishing ltd
- 2) Mastering Nod.js by SandroPasquali, packt Publishing
- 3) Smashing Node.js JavaScript Everywhere, Guillermo Rauch, John wiley& Sons

Date of Submission:

Sign of Teacher	Faculty Incharge	Principal
(Prof. Jayashri Jadhav) 	(Incharge B. B.) Dept. of Commerce B Wagholi, Pune - 412 207.	(Dr. Sanjay Gaikwad) Bharatiya Jain Sanghatana's Arts, Science & Commerce College Wagholi, Pune-412207.



Bharatiya Jain Sanghatana's ASC College
Wagholi, Pune - 412207.
DEPARTMENT OF BBA (CA)

Teaching Plan for the Academic Year 2023-24

Subject Name	Node JS	Course Code: CA- 404(Optional)	
Class	S.Y.B.B.A (CA)	Semester	Semester- IV
Name of Faculty	Prof. Jayashri Jadhav	No. of Lectures Required	48 Hours

Unit No.	Topics	No. of Lectures	Schedule
Unit 1	Introduction to Node JS 1.1 Introduction 1.2 What is Node JS? 1.3 Advantages of Node JS 1.4 Traditional Web Server Model 1.5 Node.js Process Model 1.6 Install Node.js on Windows 1.7 Working in REPL	8	3 rd to 4 th Week of Dec 2023
Unit 2	Node JS Modules 2.1 Functions 2.2 Buffer 2.3 Module 2.4 Module Types 2.5 Core Modules 2.6 Local Modules 2.7 Module. Exports	10	1 st & 2 nd Week of Jan 2024
Unit 3	Node Package Manager 3.1 What is NPM? 3.2 Installing Packages Locally 3.3 Adding dependency in package. Son 3.4 Installing packages globally 3.5 Updating packages	6	2 nd & 4 th Week of Jan 2024
Unit 4	Web server 4.1 Creating web server 4.2 Handling http requests 4.3 Sending requests	6	1 st to 2 nd Week of Feb 2024
Unit 5	File System 5.1 Fs.readFile 5.2 Writing a File 5.3 Writing a file asynchronously 5.4 Opening a file	8	3 rd Week of Feb 2023

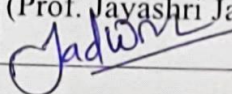
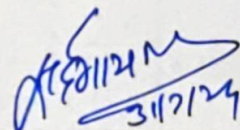
	5.5 Deleting a file 5.6 Other IO Operations		
Unit 6	Events 6.1 Event Emitter class 6.2 Returning event emitter 6.3 Inhering events	4	3 rd to 4 th Week of Feb 2024
Unit 7	Database connectivity 7.1 Connection string 7.2 Configuring 7.3 Working with select command 7.4 Updating records 7.5 Deleting records	6	1 st to 3 rd Week of March 2024
	Total No of Lectures	48	

Note: The teaching plan is according to University Norms.

Recommended Books

- 1) Node.js complete reference guid, velentinBojinov, David Herron, DiogeResende, packt Publishing Ltd
- 2) Mastering Nod.js by SandroPasquali, packt Publishing
- 3) Smashing Node.js JavaScript Everywhere, Guillermo Rauch, John wiley& Sons

Date of Submission:

Sign of Teacher	Faculty Incharge	Principal
(Prof. Jayashri Jadhav) 	(Dr. Incharge B.) Dept. of Commerce B. J. S. College Wagholl, Pune - 412 207.	(Dr. Sanjay Gaikwad)  Bharatiya Jain Sanghatana's Arts, Science & Commerce College Wagholi, Pune-412207.

Bharatiya Jain Sanghatana's ASC College
Wagholi, Pune – 412207.
DEPARTMENT OF BBA (CA)

Teaching Plan for the Academic Year 2023-24

Subject Name	Angular JS	Course Code: CA- 304 (Option)	
Class	S.Y.B.B.A (CA)	Semester	Semester- III
Name of Faculty	Prof. Jayashri Jadhav	No. of Lectures Required	48 Hours

Unit No.	Topics	No. of Lectures	Schedule
Unit 1	AngularJS Core Concepts: 1.1 What is AngularJS? 1.2 Difference between JavaScript and Angular JS 1.3 Advantages of Angular 1.4 AngularJS MVC Architecture 1.5 Introduction to SPA 1.6 Setting up the environment 1.7 First App using MVC architecture	8	1 st & 2 nd Week of Aug 2023
Unit 2	AngularJS Directives and Expressions: 2.1 Understanding ng attributes ng-app, ng-init, ng-model, ng-controller, ng-bind, ng-repeat, ng-show, ng-read-only, ng-disabled, ng-if, ng-click 2.2 Expression and Data Binding 2.3 Working with directives	10	3 rd & 4 th Week Aug 2023
Unit 3	AngularJS Modules, Controller, View and Scope: 3.1 Angular Modules 3.2 Angular Controller 3.3 Angular View 3.4 Scope hierarchy	10	1 st & 3 rd Week of Sept 2023
Unit 4	Filter, Forms and Ajax Filters 4.1 Built-in filters - upper case and lower case filters, date ,currency and number formatting ,order By, filter ,custom filter, 4.2 Angular JS Forms – Working with AngularJS forms, model binding, form controller ,Using CSS classes, form events , custom model update triggers ,custom validation, Shttp service , 4.3 Ajax implementation using Shttp	12	4 th week of September & 2 nd Week of Oct 2023
Unit 5	Dependency Injection, Services		3 rd & 4 th

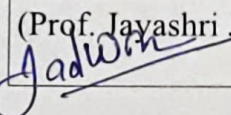

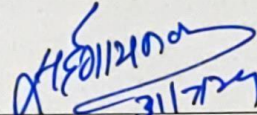
5.1 What is dependency injection? 5.2 Understanding services 5.3 Using built-in service 5.4 Creating custom service, 5.5 Injecting dependency in service	8	Week Of Oct 2023
Total No of Lectures	48	

Note: The teaching plan is according to University Norms.

Recommended Books

1. Beginning Angular with Typescript (updated to Angular 5) by Greg Lim
2. Mastering Web Application Development with AngularJS by Pawel Kozlowski, Peter Bacon Darwin
3. <https://www.tutorialsteacher.com/angularjs/angularjs-scope>

Date of Submission:

Sign of Teacher	Faculty Incharge	Principal
 (Prof. Jayashri Jadhav)	 (Dr. Landge B. B.) De Incharge Dept. of Commerce Bajaj's College Wagholi, Pune - 412 207.	 (Dr. Sanjay Gaikwad) Principal Bharatiya Jain Sanghatana's Arts, Science & Commerce Colleg Wagholi, Pune-412207.

Bharatiya Jain Sanghatana's ASC College
Wagholi, Pune – 412207.

DEPARTMENT OF BBA(CA)
Teaching Plan for the Academic Year 2023-2024

Subject Name	Web Technology (HTML-JSS-CSS)		(Subject Code: 205)
Class	F.Y.B.B.A (CA)	Semester	Semester- II
Name of Faculty	Prof. Shewale R.S.	No. of Lectures Required	48 Hours

Objectives :-

1. To know & understand concepts of internet programming.
2. To understand how to develop web based applications using PHP.

Unit No.	Topic	No. of Lectures	Schedule
Unit 1	1. Introduction 1.1 Clients- Servers and Communication 1.2 Internet-Basic, Internet Protocols (HTTP, FTP, IP) 1.3 World Wide Web(WWW) 1.4 HTTP request message, HTTP response message	5	3rd and 4th week of Dec 2024
Unit 2	2. Web Design 2.1 Concepts of effective web design 2.2 Web design issues including Browser Bandwidth and Cache 2.3 Display resolution 2.4 Look and Feel of the Website 2.5 Page Layout and linking 2.6 User centric design 2.7 Sitemap 2.8 Planning and publishing website 2.9 Designing effective navigation	9	1st and 2nd week of Jan 2024
Unit 3	3. HTML 3.1 Introduction to HTML 3.2 Basic HTML Structure 3.3 Common HTML Tags 3.4 Physical and Logical HTML 3.5 Types of Images, client side and server-side	12	3rd and 4th week of Jan 2024


	Image mapping 3.6 List, Table, Frames 3.7 Embedding Audio, Video 3.8 HTML form and form elements 3.9 Introduction to HTML Front Page		
Unit 4	4. Style sheets 4.1 Need for CSS 4.2 Introduction to CSS 4.3 Basic syntax and structure 4.4 Using CSS- 4.4.1 background images, colors and properties, 4.4.2 manipulating texts, using fonts, borders and boxes, margins, padding lists, positioning using CSS 4.5 Overview and features of CSS2 and CSS3	10	1st ,2nd and 3rd week of Feb 2024
Unit 5	5. JavaScript 5.1 Introduction to Java Script 5.2 Identifier & operator, control structure, functions 5.3 Document object model(DOM), 5.4 DOM Objects (window, navigator, history, location) 5.5 Predefined functions, math & string functions 5.6 Array in Java scripts 5.7 Event handling in Java script	12	4th week of Feb and 1st and 2nd week of March 2024

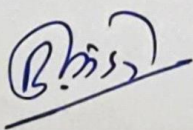
Reference Books:

- **Complete HTML**- Thomas Powell
- **HTML and JavaScript** – Ivan Bayross
- **Programming PHP** - Rasmus Lerdorf and Kevin Tatroe, O'Reilly publication
- **Beginning PHP 5** - Wrox publication

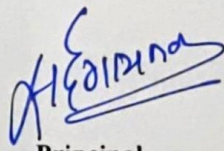
Date of Submission:

Subject Teacher


(Prof. R.S. Shewale)


Faculty Incharge

Dept. of Commerce
R. J. S. College
Wagholi, Pune - 412 207.


Principal

I/C Principal
Bharatiya Jyoti S. D. Chitambar's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Bharatiya Jain Sanghatana's ASC College
Wagholi, Pune – 412207.

DEPARTMENT OF BBA(CA)
Teaching Plan for the Academic Year 2023-2024

Subject Name	Big Data	(Subject Code: 305)	
Class	S.Y.B.B.A (CA)	Semester	Semester- III
Name of Faculty	Prof. Shewale R.S.	No. of Lectures Required	48 Hours

Objectives :-

1. To know & understand concepts of internet programming.
2. To understand how to develop web based applications using PHP.

Unit	Topic	No. of lectures	Schedule
1	INTRODUCTION TO BIG DATA 1.1 Introduction to Big Data 1.2 Types of Digital Data 1.3 Big Data Analytics 1.4 Application of Big data	5	1 st and 2 nd week of August 2023
2	INTRODUCTION TO DATA SCIENCE 2.1 Basics of Data Analytics 2.2 Types of Analytics – 2.2.1 Descriptive, 2.2.2 Predictive, 2.2.3 Prescriptive 2.2.4 Statistical Inference 2.3 Populations and samples 2.3.1 Statistical modelling, 2.3.2 Probability 2.3.3 Distribution 2.3.4 Correlation 2.3.5 Regression	10	3 rd and 4 th week of August and 1 st week of Sep 2023
3	INTRODUCTION TO MACHINE LEARNING 3.1 Basics of Machine Learning 3.2 Supervised Machine Learning 3.2.1 K- Nearest-Neighbours, 3.2.2 Naïve Bayes 3.2.3 Decision tree 3.2.4 Support Vector Machines	20	2 nd , 3 rd and 4 th week september 2023
	3.3 Unsupervised Machine Learning 3.3.1 Cluster analysis 3.3.2 K means 3.3.3 EM Algorithm 3.3.4 Association Rule Mining 3.3.5 Apriori algorithms		

	3.4 Regression Analysis 3.4.1 Linear Regression 3.4.2 Nonlinear Regression		
4	DATA ANALYTICS WITH R/ WEKA MACHINE LEARNING 4.1 Introduction 4.2 Data Manipulation 4.3 Data Visualization 4.4 Data Analysis	13	1 st , 2 nd and 3 rd week of October 2023
Total		48	

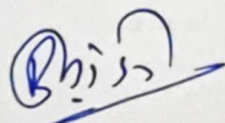
Reference Books:

1. SeemaAcharya, SubhasiniChellappan, "Big Data Analytics" Wiley 2015.
2. Jay Liebowitz, "Big Data and Business Analytics" Auerbach Publications, CRC press (2013)
3. ArvindSathi, "BigDataAnalytics: Disruptive Technologies for Changing the Game", MC Press, 2012

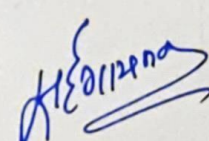
Date of Submission:

Subject Teacher

(Prof. R.S.Shewale)


Faculty Incharge
Incharge
Dept. of Commerce
B. J. S. College
Wagholi, Pune - 412 207.

Principal


I/C Principal
(Dr. S.D. Gaikwad)
Bharatiya Janata Party's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Bharatiya Jain Sanghatana's ASC College
Wagholi, Pune – 412207.

DEPARTMENT OF BBA(CA)

Teaching Plan for the Academic Year 2023 2024

Subject Name	Networking (Subject Code: 403)		
Class	S.Y.B.B.A (CA)	Semester	Semester- IV
Name of Faculty	Prof. Shewale.R.S	No. of Lectures Required	48 Hours

Unit No.	Topic	No. of Lectures	Schedule
Unit 1	Basics of Computer Networks 1.1 Computer Network 1.1.1 Definition 1.1.2 Goals 1.1.3 Applications 1.1.4 Structure 1.1.5 Components 1.2 Topology 1.2.1 Bus 1.2.2 Star 1.2.3 Ring 1.2.4 Mesh 1.3 Types of Networks 1.3.1 LAN, MAN, WAN, Internet 1.3.2 Broadcast & Point-To-Point Networks 1.4 Communication Types 1.4.1 Serial 1.4.2 Parallel 1.5 Modes of Communication : 1.5.1 Simplex	8	3rd and 4th Week of Dec 2023

	1.5.2 Half Duplex 1.5.3 Full Duplex 1.6 Server Based LANs & Peer-to-Peer LANs 1.6.1 Comparison of both 1.7 Protocols and Standards		
Unit 2	Network Models 2.1 Design issues of the layer 2.2 Protocol Hierarchy 2.3 ISO-OSI Reference Model : 2.3.1 Layers in the OSI Model 2.3.2 Functions of each layer 2.4 Terminology 2.4.1 SAP 2.4.2 Connection Oriented services 2.4.3 connectionless services	8	1 st and 2 nd Week of Jan 2023

	2.4.4 Peer Entities 2.5 Internet Model (TCP/IP) 2.6 Comparison of ISO-OSI & TCP/IP Model 2.7 Addressing 2.7.1 Physical Addresses 2.7.2 Logical Addresses 2.7.3 Port Addresses 2.8 IP Addressing 2.8.1 Classful addressing 2.8.2 Classless addressing		
Unit 3	Transmission Media 3.1 Guided Media(Wired) : 3.1.1 Coaxial Cable:- Physical Structure, Standards, BNC Connector, Applications 3.1.2 Twisted Pair :- Physical Structure, UTP vs STP, Connectors, Applications 3.1.3 Fiber Optics Cable :- Physical Structure, Propagation Modes (Single Mode & Multimode), Connectors, Applications 3.2 Unguided Media(Wireless) 3.2.1 Electromagnetic Spectrum For Wireless Communication 3.2.2 Propagation Methods 3.2.2.1 Ground, 3.2.2.2 Sky, 3.2.2.3 Line-Of-Sight 3.3.3 Wireless Transmission 3.3.3.1 Radio Waves 3.3.3.2 Infra-Red, 3.3.3.3 Micro-Wave	10	3 rd and 4 th week of Jan 2024

Unit 4	Wired and Wireless LANs	10	
	4.1 IEEE Standards		
	4.2 Standard Ethernet		
	4.2.1 MAC Sublayer		
	4.2.2 Physical layer		
	4.3 Fast Ethernet		
	4.3.1 MAC Sublayer		
	4.3.2 Physical layer		
	4.4 Gigabit Ethernet		
	4.4.1 MAC Sublayer		
	4.4.2 Physical layer		
	4.5 Network Interface Cards(NIC)		
	4.5.1 Components of NIC		
	4.5.2 Functions of NIC		
	4.5.3 Types of NIC		
	4.6 Wireless LAN		
	4.6.1 IEEE802.11 Architecture		
	4.6.2 MAC Sub layer		
	4.6.3 Frame Format		

1st and 2nd
Week of Feb
2024

	4.6.4 Frame Types 4.6.5 Addressing Mechanism 4.6.6 Bluetooth (Architecture, Piconet and Scatternet, Applications)		
Unit 5	Network Connectivity Devices 5.1 Categories of Connectivity Devices 5.1.1 Passive & Active Hubs 5.1.2 Repeaters 5.1.3 Bridges 5.1.3.1 Transparent Bridges(Loop Problem, Spanning Tree) 5.1.3.2 Source Routing Bridges 5.1.4 Switches 5.1.5 Router 5.1.6 Gateways 5.2 Network Security Devices 5.2.1 Firewalls 5.2.1.1 Packet-Filter firewall 5.2.1.2 Proxy firewall	6	3 rd and 4 th week of Feb 2024 and 1st week of March 2024
Unit 6	Internet Basics 6.1 Concept of Intranet & Extranet 6.2 Internet Information Server(IIS) 6.3 Web Server 6.4 World Wide Web(WWW) 6.4.1 Architecture, 6.4.2 Web Documents :- static, dynamic and	6	2nd 3rd and,4th week of March 2024

	active documents		
	6.5 Search Engines		
	6.6 Internet Service Providers(ISP)		
	6.7 HTTP		
	6.7.1 HTTP Transaction		
	6.7.2 Persistent and non persistent connection		
Total No. of Lectures		48	

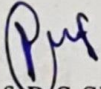
Note: The teaching plan is according to University Norms.

Recommended Books

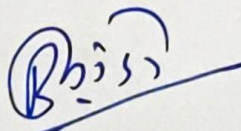
1. System Programming and Operating System – D. M. Dhamdhare
2. Operating System Concepts – Silberschatz, Galvin , Gagne

Date of Submission:

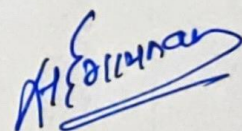
Subject Teacher


(Prof. R.S. Shewale)

Faculty Incharge


Incharge
Dept. of Commerce
B. J. S. College
(Dr. B.B. Landge)
Wagholi, Pune - 412 207.

Principal


I/C Principal
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
(Dr. S.D. Gokhale)
Wagholi, Pune-412207.

Bharatiya Jain Sanghatana's ASC College**Wagholi, Pune – 412207.****DEPARTMENT OF BBA(CA)**Teaching Plan for the Academic Year 2023_2024

Subject Name	Cyber Security (Subject Code: 501)		
Class	T.Y.B.B.A (CA)	Semester	Semester- V
Name of Faculty	Prof. Shewale.R.S	No. of Lectures Required	48 Hours

Unit	Topic	No of lectures	Schedule
1	Chapter 1:- Introduction to Cyber Crime and Cyber Security 1.1 Introduction 1.2 Cybercrime: Definition and Origin of the Word 1.3 Cybercrime and Information Security 1.4 Who are Cybercriminals? 1.5 Classifications of Cybercrimes: E-Mail Spoofing, Spamming, Cyber defamation, Internet Time Theft, Salami Attack/Salami Technique, Data Diddling, Forgery, Web Jacking, Newsgroup, Spam/Crimes Emanating from Usenet Newsgroup, Industrial Spying/Industrial Espionage, Hacking, Online Frauds, Computer Sabotage, Email Bombing/Mail Bombs, Computer Network Intrusions, Password Sniffing, Credit Card Frauds, Identity Theft 1.6 Definition of Cyber Security 1.7 Vulnerability, Threats and Harmful acts 1.8 CIA Triad 1.9 Cyber Security Policy and Domains of Cyber Security Policy	07	1 st and 2 nd week of August 2023
2	Chapter 2 :- Cyber offenses and Cyberstalking 2.1 Criminals Plan: Categories of Cybercrime Cyber Attacks: Reconnaissance, Passive Attack, Active Attacks, Scanning/Scrutinizing gathered Information, Attack (Gaining and Maintaining the System Access), Social Engineering, and Classification of Social Engineering. 2.2 Cyberstalking: Types of Stalkers, Cases Reported on Cyberstalking, Working of Stalking 2.3 Real-Life Incident of Cyber stalking 2.4 Cybercafe and Cybercrimes	10	3 rd and 4 th week of August 2023
	2.5 Botnets: The Fuel for Cybercrime, Botnet, Attack Vector 2.6 Cybercrime: Mobile and Wireless Devices – Proliferation - Trends in Mobility 2.7 Credit Card Frauds in Mobile and Wireless Computing Era 2.8 Security Challenges Posed by Mobile Devices		

	2.9 Authentication Service Security 2.10 Attacks on Mobile/Cell Phones		
3	Chapter 3:- Tools and Methods Used in Cybercrime 3.1 Introduction 3.2 Proxy Servers and Anonymizers 3.3 Phishing 3.4 Password Cracking 3.5 Keyloggers and Spywares 3.6 Virus and Worms 3.7 Trojan Horses and Backdoors 3.8 Steganography 3.9 DoS and DDoS Attacks 3.10 SQL Injection	05	1 st and 2 nd week of september 2023
4	Chapter 4 :- Cybercrimes and Cyber security: The Legal Perspectives 4.1 Introduction 4.2 Cybercrime and the Legal Landscape around the World 4.3 Why Do We Need Cyberlaws: The Indian Context 4.4 The Indian IT Act 4.5 Challenges to Indian Law and Cybercrime Scenario in India 4.6 Consequences of not Addressing the Weakness in Information Technology Act 4.7 Digital Signatures and the Indian IT Act 4.8 Amendments to the Indian IT Act 4.9 Cybercrime and Punishment 4.10 Cyberlaw, Technology and Students: Indian Scenario	07	3 rd and 4 th week of september 2023
5	Chapter 5:- Cyber Forensics 5.1 Introduction 5.2 Historical background of Cyber forensics 5.3 Digital Forensics Science 5.4 The Need for Computer Forensics 5.5 Cyber Forensics and Digital evidence 5.6 Forensics Analysis of Email 5.7 Digital Forensics Lifecycle 5.8 Challenges in Computer Forensics	06	1 st and 2 nd week of October 2023
6	Chapter 6:- Cybersecurity: Organizational Implications 6.1 Organizational Implications: Cost of cybercrimes and IPR issues 6.2 Web threats for organizations 6.3 Security and Privacy Implications from Cloud Computing 6.4 Social media marketing 6.5 Social computing and the associated challenges for organizations, Protecting people's privacy in the	07	3 rd and 4 th and week of October 2023

	organization 6.6 Organizational guidelines for Internet usage and safe computing guidelines and computer usage policy 6.7 Incident handling		
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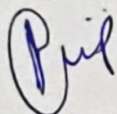
Note: The teaching plan is according to University Norms.

References Books:

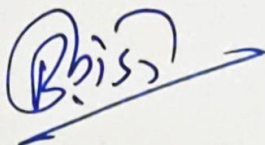
1. Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives – Nina Godbole, SunitBelapure, Wiley: April 2011 India Publications Released.
2. Principles of Information Security, -Michael E Whitman, Herbert J Mattord, 3rd Edition, 2011.
3. Computer Security: Principles and Practice -William Stallings and Lawrie Brown, 3rd edition, Pearson, 2015.
4. Cyber Security Essentials- James Graham Richard Howard Ryan Olson

Date of Submission:

Subject Teacher



(Prof. R.S. Shewale)

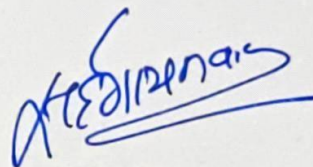


Faculty Incharge

Incharge

Dept. of Commerce
B. J. S. College
Wagholi, Pune - 412 207.

(Dr. B.B. Landge)



Principal

I/C Principal

Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune - 412207.

(Dr. S.D. Gaikwad)

Curriculum Completion Report

(2023 - 2024)

Name :- DR. Madhuri Deshmukh

Dept. :- Zoology

To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207

Subject :- Syllabus completion report for Semester I and II of the academic year 2023 -24.

Respected Sir,

With reference to the above mentioned subject, I am submitting the syllabus completion report for your kind perusal.

Course code	Course Name	Class	Date of completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
ZO 231	Animal Diversity III	SYBSC	31/08/23	19	-	19	15.83
ZO233	Practical III	SYBSC	18/10/2023	14X4 = 56 (56X4) = 224	-	224	224
ZO 241	Animal Diversity IV	SYBSC	28/04/24	10	-	10	8.33
ZO243	Practical IV	SYBSC	26/03/2023	15X4 = 60*4=240+24= 264Tour	-	264	264

Total Teaching Hours: 512.16

The respective syllabus has been completed successfully.

Madhuri.
30/4/24
Sub. Teacher

Madhuri
30/4/24
HoD
HEAD
Department of Zoology
B.J.S's A, S & C College,
Wagholi, Pune

MA
30/4
Faculty In-charge

Dr. S. D. Gaikwad
30/4/24
Dr. S. D. Gaikwad
I/C Principal
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Bharatiya Jain Sanghatana's ASC College, Wagholi, Pune

Curriculum Completion Report

(2023 - 2024)

Name :- Dr. Tejal Deokar

Dept. :- Zoology

To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207

Subject :- Syllabus completion report for Semester I and II of the academic year 2023 -24.

Respected Sir,

With reference to the above mentioned subject, I am submitting the syllabus completion report for your kind perusal.

Course code	Course Name	Class	Date of completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
ZO112	Animal Ecology	FYBSC	28/10/2023	41	-	41	34.16
ZO122	Cell Biology	FYBSC	28/03/2024	48	-	48	40
ZO 232	Applied Zoology I	SYBSC	27/10/2023	26	-	26	21.66
ZO 242	Applied Zoology II	SYBSC	30/03/2024	40	-	40	33.33
ZO113	Practical I	FYBSC	06/12/2023	14X4=56(56X3)=168	-	168	168
ZO123	Practical II	FYBSC	06/03/2024	14X4=56(56X3)=168+12(Trip)=180	-	180	180

Total Teaching Hours: 477.15

The respective syllabus has been completed successfully.

Tejal Deokar
30/4/24
Sub. Teacher

Hadhu
30/4/24
HoD
HEAD
Department of Zoology
B.J.S's A, S & C College,
Wagholi, Pune

MA
30/4
Faculty In-charge

Dr. S. D. Gaikwad
30/4/24
Dr. S. D. Gaikwad
I/C Principal
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune-412207.

Bharatiya Jain Sanghatana's ASC College, Wagholi, Pune

Curriculum Completion Report

(2023 - 2024)

Dept. :- Zoology

Name :- Dr. Sadiya Shaikh

To,
The Principal
BJS's ASC College
Wagholi, Pune- 412207

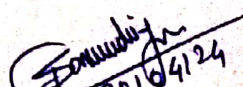
Subject :- Syllabus completion report for Semester I and II of the academic year 2023 -24.

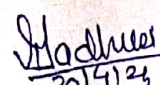
Respected Sir,

With reference to the above mentioned subject, I am submitting the syllabus completion report for your kind perusal.


Course code	Course Name	Class	Date of completion	No. of classroom lectures	No. of Online lectures	Total Lectures	Total Teaching Hours
ZO111	Animal Diversity I	FYBSC	31/10/23	22	-	22	18.33
ZO122	Animal Diversity II	FYBSC	27/03/24	46	-	46	38.33
ZO 232	Animal Diversity III	SYBSC	31/10/23	23	-	23	19.16
ZO 242	Animal Diversity IV	SYBSC	16/04/24	35	-	35	29.16
ZO113	Practical I	SYBSC	20/10/23	14X2=28(28X4)=112	-	112	112
ZO123	Practical II	SYBSC	19/04/24	14X2=28(28X4)=112+12(Trip)=124	-	124	124

Total Teaching Hours: 356.82
The respective syllabus has been completed successfully.


30/4/24
Sub. Teacher


30/4/24
HoD
HEAD
Department of Zoology
B.J.S's A, S & C College,
Wagholi, Pune.


30/4
Faculty In-charge


30/4/24
Dr. S. D. Gaikwad
I/C Principal
Bharatiya Jain Sanghatana's
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Wagholi, Pune-412207.

Department of Zoology

Teaching Plan for the Academic Year 2023-24

Subject: ZO: 111 Animal Diversity I

Class : FYBSc

Semester : I

The criteria to be followed while preparing the teaching plan are:

- 70% - Actual Classroom Teaching where different pedagogy can be involved
- 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- 10% - Seminar/ project work

S. N	Schedule	Topic	Learning Outcome	Approach(Visual / Auditory/ Kinesthetic)	Criteria Followed (A/B/C/D)	Methodology / pedagogy
1	2 nd 3 rd & 4 th Week of July 23 (5L)	Principles of Classification: Significant Taxonomy & Systematics Systematics: Concept of Species: Biological & Evolutionary Introduction to Binomial Nomenclature. Introduction to Five kingdom system.	The topics help in understanding the Animal diversity, principles of classification of animals, study the differences and similarities in the various animals, and classify them. To understand our role as a caretaker and promoter of life.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
2	1 st week of August 23 (2L)	General Features of kingdom Animalia General characters of Kingdom Animalia, Grades of organization Symmetry.				
3	2 nd 3 rd & 4 th Week of August 23 (7L)	Kingdom Protista (Phylum: Protozoa) Introduction, Salient features, Classification of Phylum Protozoa up to classes Locomotion in Protozoa: <i>Paramecium caudatum</i> Economic importance Harmful Protozoa, Useful				

		Protozoa				
4	5 th Week of August 23 (1L)	Origin of Metazoa Introduction Origin and importance of Metazoa				
5	1 st 2 nd & 3 rd Week of September 23 (6L)	Phylum Porifera Introduction & Classification of Phylum Porifera up to classes Canal system in sponges: Skeleton in sponges: Regeneration in sponges. Economic importance of Phylum Porifera.	The topics help in understanding the Animal diversity, principles of classification of animals, study the differences and similarities in the various animals, and classify them. To understand our role as a caretaker and promoter of life.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPt, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
6	4 th & 5 th Week of September 23 (5L)	Phylum: Cnidaria Introduction & Salient features Classification of Phylum Cnidaria up to class level Polymorphism in Hydrozoa: and functions Economic importance with reference to Corals and Coral reefs.				
7	1 st , 2 nd week of October 23 (4L)	Phylum Platyhelminthes Introduction & Salient features Classification of Phylum Platyhelminthes up to classes. Parasitic adaptations in Platyhelminthes Economic importance of Platyhelminthes				
8	3 rd Week of October	Revision of whole syllabus and question paper discussion.				

Madhusi
Subject Teacher

Madhusi
15/7/23
Head of the Department

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IQAC Co-ordinator
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15/7/23
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Department of Zoology

Teaching Plan for the Academic Year 2023-24

Subject: ZO: 112 Animal Ecology

Class : FYBSc

Semester : I

The criteria to be followed while preparing the teaching plan are:

- 70% - Actual Classroom Teaching where different pedagogy can be involved
- 10 % - Online Teaching (via. Zoom, You tube, and other such platforms)
- 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- 10% - Seminar/ project work

S. N	Schedule	Topic	Learning Outcome	Approach(Visual / Auditory/ Kinesthetic)	Criteria Followed (A/B/C/D)	Methodology / pedagogy
1	1 st Week of July 23 (5L)	Bridge Course				
2	2 nd week of July 23 (2L)	Introduction to Ecology Concepts of Ecology				
3	3 rd & 4 th Week of July 23 1 st week of August 23 (8L)	Ecosystem Types of ecosystems: Aquatic and terrestrial ecosystem: Food chain, Food web, Energy flow through the ecosystem, Ecological pyramids, Concept of Eutrophication in lakes and rivers	The topics helps to in identify and critically evaluate their own beliefs, values and actions in relation to professional and societal standards of ethics and its impact on ecosystem and biosphere due to the dynamics in population.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
4	2 nd , 3 rd , 4 th Week of August 23 (1L)	Population Characteristic of population. Methods of Populations.				

5	1 st 2 nd & 3 rd Week of September 23 (7L)	Community Community characteristics, Ecological succession with one example	The topics help in understand and appreciates of ecosystem and applies beyond the syllabi and to understand the local lifestyle and problems of the community.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPt, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
6	4 th & 5 th Week of September 23 and 1 st week October 23 (5L)	Animal interactions Introduction to Animal interactions, Types of Animal interactions with suitable examples, Competition, Beneficial Associations.				
7	2 nd & 3 rd week of October 23 (3L)	Revision of whole syllabus and question paper discussion.				

Gadkar
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Head of the Department

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Department of Zoology

Teaching Plan for the Academic Year 2023-24

Subject: ZO: 231 Animal Diversity III Class : SYBSc

Semester : III

The criteria to be followed while preparing the teaching plan are:

- 70% - Actual Classroom Teaching where different pedagogy can be involved
- 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- 10% - Seminar/ project work

S. N	Schedule	Topic	Learning Outcome	Approach(Visual / Auditory/ Kinesthetic)	Criteria Followed (A/B/C/D)	Methodology / pedagogy
1	2 nd 3 rd & 4 th Week of July 23 (3L)	Introduction to Phylum Chordata Origin & Ancestry of Chordates. Comparative account of fundamental characters of Chordates with Non Chordates. Salient features of Phylum Chordata. Classification of Phylum Chordata upto classes – Pisces, Amphibia, Reptilia, Aves, Mammalia.	The topics help in understanding the Animal diversity, principles of classification of animals, study the differences and similarities in the various animals, and classify them. To understand our role as a caretaker and promoter of life.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
2	1 st week of August 23 (3L)	Introduction to Group – Protochordata Salient features of Protochordata. Subphylum Hemichordata, urochordata, Cephalochordata				
3	2 nd 3 rd & 4 th Week of August 23	Introduction to subphylum – Vertebrata Salient features of Vertebrata. Introduction and General				

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	(2L)	characters of Agnatha & Gnathostomata				
4	5 th Week of August 23 (4L)	Introduction & Salient features of Class Pisces. Introduction, & Salient features of Class Pisces, Chondrichthyes Osteichthyes. Types of Scales in Fishes. Types of Fins in Fishes.				
5	1 st 2 nd & 3 rd Week of September 23 (3L)	Introduction & Salient features of Class Amphibia Introduction to order – Apoda, Urodela, and Annura. Parental care in Amphibia.	The topics help in understanding the Animal diversity, principles of classification of animals, study the differences and similarities in the various animals, and classify them. To understand our role as a caretaker and promoter of life.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
6	4 th & 5 th Week of September 23 (15L)	Study of Scoliodon Systematic position, Geographical distribution, Habit, Habitat External characters Digestive System, Food and feeding mechanism. Respiratory System – Structure of Holobranch only. External & Internal Structure of heart, Working of heart. Nervous System – Brain only. Male urinogenital system & Female reproductive System. Yolk sac placenta.				
7	1 st , 2 nd week of October 23 (3L)	Revision and question paper discussion				

Madhus
Subject Teacher

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Department of Zoology

Teaching Plan for the Academic Year 2023-24

Subject: ZO: 232 Applied Zoology I

Class : SYBSc

Semester : III

The criteria to be followed while preparing the teaching plan are:

- 70% - Actual Classroom Teaching where different pedagogy can be involved
- 10 % - Online Teaching (via. Zoom, You tube, and other such platforms)
- 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- 10% - Seminar/ project work

S. N	Schedule	Topic	Learning Outcome	Approach(Visual / Auditory/ Kinesthetic)	Criteria Followed (A/B /C/D)	Methodology / pedagogy
1	2 st Week of July To 3 rd August 23 (14L)	1) Sericulture: 1.1 An introduction to Sericulture, classification of varieties of silkworms External Morphology and life cycle of <i>Bombyx mori</i> . Cultivation of mulberry Varieties for cultivation, Harvesting of mulberry Silk worm rearing Important diseases and pests. Preparation of cocoons for marketing. Post-harvest processing of cocoons Biotechnological and biomedical applications of silk.	The students will understand the biology, varieties of silkworms and the basic techniques of silk production and harvesting of cocoons.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.

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2	4 th Week of August To 3 rd Week of September 23 (16 L)	2) Agricultural Pests and their control: An introduction to Agricultural Pests, types of pests. Major insect pests of agricultural importance a) Jowar stem borer, b) Red cotton bug, c) Brinjal fruit borer, d) Mango stem borer, e) Blister beetle, f) Rice weevil, g) Pulse beetle, h) Tick. Non insect pests: Rats, Crabs, Snails, and Squirrels Pest control practices in brief Plant protection appliances	The students will study types of agricultural pests and Major insect pests of agricultural importance and Pest control practices.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPt, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
3	1 st , 2 nd week of October 23 (3L)	Revision and question paper discussion				


Subject Teacher


Head of the Department


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Department of Zoology

Teaching Plan for the Academic Year 2023-24

Subject: ZO: 121 Animal Diversity II

Class : FYBSc

Semester : II

The criteria to be followed while preparing the teaching plan are:

- A. 70% - Actual Classroom Teaching where different pedagogy can be involved
- B. 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- C. 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- D. 10% - Seminar/ project work

S.N	Schedule	Topic	Learning Outcome	Approach(Visual / Auditory/ Kinesthetic)	Criteria Followed (A/B/C/D)	Methodology / pedagogy
1	1 st 2 nd Week of December 23 (04)	Phylum Aschelminthes Introduction to phylum Aschelminthes Salient features of Phylum Aschelminthes Classification of Phylum Aschelminthes Class Nematoda Economic importance of class Nematoda.	The topics help in understanding the Animal diversity, principles of classification of animals, study the differences and similarities in the various animals, and classify them.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
2	3 rd & 4 th week of December 23 (6L)	Phylum Annelida Introduction to Phylum Annelida Salient features of Phylum Annelida. Classification of Phylum Annelida Class Polychaeta, Class Oligochaeta, Class Hirudinea Economic importance of Annelida earthworms as friends of farmers and in	To understand our role as a caretaker and promoter of life.			

		their role in Vermicomposting.				
3	1 st 2 nd 3 rd & 4 th Week of January & 24 (6L)	Kingdom Protista (Phylum: Protozoa) Introduction, Salient features Classification of Phylum Protozoa up to classes Locomotion in Protozoa: <i>Paramecium caudatum</i> Economic importance Harmful Protozoa, Useful Protozoa				
4	5 th Week of January 24 & 1 st Week of February 24 (06L)	Phylum Arthropoda Introduction & salient features of Phylum Arthropoda Classification of Phylum Arthropoda Class: Crustacea, Class: Chilopoda, Class: Diplopoda: Class Insecta, Class: Arachnida. Mouth parts in insects: Economic importance of Arthropoda Useful Insects: Honey bee, Lac insect, Silkworm. Harmful insects: Female Anopheles mosquito, Red cotton bug, Rice weevil				
5	2 nd 3 rd 4 th Week of February 24 (06L)	Phylum Mollusca Introduction & Salient features of Phylum Mollusca Classification of Phylum Mollusca Class Gastropoda, Class Pelecypodae, Class Polyplacophorae Class: Cephalopoda Economic importance of Mollusca.	The topics help in understanding the Animal diversity, principles of classification of animals, study the differences	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Study Tours and Visits

6	4 th Week of February 24 & 1 st , 2 nd 3 rd week of March (08L)	<p>Study of Phylum Echinodermata</p> <p>Introduction Salient features of Phylum Echinodermata</p> <p>Classification of Phylum Echinodermata</p> <p>Class Asteroidea Class: Holothuroidea. Class: Echinoidea, Class: Crinoidea</p> <p>Type study: Asterias rubens (Sea Star): Classification, Habit Habitat, External Morphology, Digestive system, Water vascular System and autotomy and regeneration</p> <p>Pedicellaria in Echinodermata: straight, crossed, valvate, tridactylous globigerous.</p> <p>Economic importance of Echinodermata.</p>	and similarities in the various animals, and classify them. To understand our role as a caretaker and promoter of life.			Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
7	4 th Week of March 24 (3L)	Revision of whole syllabus and question paper discussion.				

Madhusi
Subject Teacher

Madhusi
18/7/23
Head of the Department

Madhusi
18/7/23
IQAC Coordinator

Principals
offg Principal
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Dr. Madhuri Deshmukh
IQAC Co-ordinator
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Department of Zoology

Teaching Plan for the Academic Year 2023-24

Subject: ZO: 122 Cell Biology

Class : FYBSc

Semester : II

The criteria to be followed while preparing the teaching plan are:

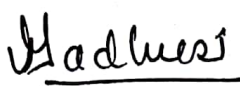
- 70% - Actual Classroom Teaching where different pedagogy can be involved
- 10 % - Online Teaching (via. Zoom, You tube, and other such platforms)
- 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- 10% - Seminar/ project work

S. N	Schedule	Topic	Learning Outcome	Approach(Visual / Auditory/ Kinesthetic)	Criteria Followed (A/B/C/D)	Methodology / pedagogy
1	1 st 2 nd Week of December 23 (4 L)	Introduction: Introduction cell biology, Cell as basic unit of life. Importance of Cell Biology and its applications in industry. Overview of Cells Structure and function of Prokaryotic (<i>E. coli</i>). Structure and function of Eukaryotic cells.	The students will understand the important of cell as a structural and functional unit of life. The students will understand the compare between prokaryotic and eukaryotic systems and extrapolate the life to the aspect of development.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
2	3 rd & 4 th week of December 23 (4L)	Techniques in Cell Biology: 3.1 Introduction 3.2 Microscopy: Basic Principle, Simple, Compound and applications of Electron Microscope 3.3 Stains and dyes:	The cellular mechanism and its functioning depends on endomembrane and structures. They are best study in microscopy.			

		Types of Stain and Dyes. Micrometry.				
3	1 st 2 nd 3 rd & 4 th Week of January & 24 (6L)	Plasma Membrane: Introduction Structure of plasma membrane: Fluid mosaic model. Transport across membranes: Active and Passive transport, Facilitated transport, exocytosis, endocytosis, phagocytosis – vesicles and their importance in transport. Other functions of Cell membrane in brief Protection, cell recognition, shape, storage, cell signalling. Cell Junctions: Tight junctions, gap junctions, Desmosomes.	The students will understand the important of cell as a structural and functional unit of life. The students will understand the compare between prokaryotic and eukaryotic systems and extrapolate the life to the aspect of development. The cellular mechanism and its functioning depends on endomembrane and structures. They are best study in microscopy.			
4	5 th Week of January 24 & 1 st Week of February 24 (04L)	Nucleus: Structure and function Introduction to Nucleus Structure of Nucleus: Chromatin: Euchromatin and Heterochromatin, nature and differences. Functions of nucleus				

5	2 nd 3 rd 4 th Week of February 24 (06L)	Endomembrane System Introduction Structure, location and Functions: Endoplasmic Reticulum, Golgi apparatus, Lysosomes and vacuoles.	The students will understand the important of cell as a structural and functional unit of life. The students will understand the compare between prokaryotic and eukaryotic systems and extrapolate the life to the aspect of development. The cellular mechanism and its functioning depends on endomembrane and structures. They are best study in microscopy.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
6	4 th Week of February 24 & 1 st , 2 nd 3 rd week of March 24 (08L)	Mitochondria and Peroxisomes. Introduction Mitochondria: ultrastructure and function of mitochondrion. Peroxisomes Cell Division Introduction Cell cycle (G1, S, G2, M phases), Mitosis and Meiosis.				
7	4 th Week of March 24 (3L)	Revision of whole syllabus and question paper discussion.				


Subject Teacher


Head of the Department


IQAC Coordinator


Principal
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Department of Zoology

Teaching Plan for the Academic Year 2023-24

Subject: ZO: 241 Animal Diversity IV

Class : SYBSc

Semester : IV

The criteria to be followed while preparing the teaching plan are:

- 70% - Actual Classroom Teaching where different pedagogy can be involved
- 10 % - Online Teaching (via. Zoom, Youtube, and other such platforms)
- 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- 10% - Seminar/ project work

S N	Schedule	Topic	Learning Outcome	Approach(Vis ual / Auditory/ Kinesthetic)	Crite ria Follo wed (A/B/ C/D)	Methodology / pedagogy
1	1 st 2 nd Week of December 23 (04)	1. Introduction to class – Reptilia (04) 1.1 Salient features of class Reptilia with one example (name only) – <i>Chelone</i> , <i>Calotes</i> . 1.2 Venomous and Non- venomous snakes – Cobra, Russell's viper, Rat snake, Grass snake. 1.3 Snake venom, symptoms, effect and cure of snake bite, first aid treatment of snakebite. 1.4 Desert adaptations in reptiles in brief.	The topics help in understanding the Animal diversity, principles of classification of animals, study the differences and similarities in the various animals, and classify them. To understand our role as a caretaker and promoter of life.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum- demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
2	3 rd & 4 th week of December 23 (5L)	2. Introduction to class – Aves (05) 2.1 Salient features of class Aves with two examples (names only) – Sparrow, Parrot. 2.2 Flight adaptations in birds. 2.3 Types of Beaks and feet				

		in birds. 2.4 Migration in birds – Altitudinal, Latitudinal				
3	1 st 2 nd Week of January & 24 (4L)	3. Introduction to class - Mammalia. (04) 3.1 Salient features of class Mammalia with two examples (names only) – Rat, Rabbit. 3.2 Egg laying mammals. 3.3 Aquatic adaptations in mammals. 3.4 Flying adaptations in mammals. 3.5 Cursorial and fossorial adaptation in mammals	The topics help in understanding the Animal diversity, principles of classification of animals, study the differences and similarities in the various animals, and classify them. To understand our role as a caretaker and promoter of life.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum- demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
4	3 rd & 4 th 5 th Week of January 24 & 1 st 2 nd 3 rd 4 th Week of February 24 (17L)	4. Study of Rat (17) 4.1 Systematic position, habit and habitat. 01 4.2 External characters. 01 4.3 Digestive system, food and feeding. 02 4.4 Respiratory system. 02 4.5 Blood vascular system – Structure of Heart. 02 4.6 Nervous system – Central Nervous system only. 03 4.7 Sense organs – Structure and functions of Eye & Ear. 03 4.8 Reproductive system. 03				
7	1 st , 2 nd week of March 24 (3L)	Revision and question paper discussion				

Madhusi

Subject Teacher

Madhusi

Head of the Department

Madhusi

IQAC Coordinator

Off. Principal

offg. Principal

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Department of Zoology

Teaching Plan for the Academic Year 2023-24

Subject: ZO: 242 Applied Zoology II

Class : SYBSc

Semester : IV

The criteria to be followed while preparing the teaching plan are:

- 70% - Actual Classroom Teaching where different pedagogy can be involved
- 10 % - Online Teaching (via. Zoom, YouTube, and other such platforms)
- 10% - Teaching with the use of Experiential Learning (visits, tours, games, presentations, etc.)
- 10% - Seminar/ project work

S N	Schedule	Topic	Learning Outcome	Approach(Vis ual / Auditory/ Kinesthetic)	Criter ia Follo wed (A/B/ C/D)	Methodology / pedagogy
1	1 st 2 nd Week of December 23 to 2 nd Week of January 24 (16 L)	An introduction to Apiculture, Systematic position, Study of habit, habitat and nesting behaviour of <i>Apis dorsata</i> , <i>Apis indica</i> , <i>Apis florea</i> and <i>Apis mellifera</i> . Life cycle, Colony organization and Division of labour. Bee behaviour and communication Bee keeping equipments. Bee keeping and seasonal management. Bee products (composition and uses) : Diseases and enemies of Bees : a) Bee diseases - Protozoan (Nosema), Bacterial and Viral (Sacbrood), Fungal	The topic help to understands the basics about beekeeping tools, equipment and managing beehives.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum- demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.

		(Chalk brood). b) Bee pests - Wax moth (Greater and Lesser), Wax beetle. c) Bee predators - GreenBee eater, King crow, Wasp, Lizard. Bee pollination and management of bee colonies for pollination.				
2	3 rd & 4 th 5 th Week of January 24 & 1 st 2 nd 3 rd 4 th Week of February 24 (14L)	An introduction to fisheries and its types (in brief) : Freshwater fisheries, Marine fisheries, Brackish water fisheries. Habit, habitat and culture methods of following freshwater forms : a) Rohu (<i>Labeo rohita</i>), b) Catla (<i>Catla catla</i>), c) Mrigal (<i>Cirrhinus mrigala</i>). 2.3 Harvesting methods of following marine forms: a) Harpodon, b) Mackerel, c) Pearl oyster. Crafts and Gears in Indian Fishery net, Rampani net, Cast net. Fishery byproducts : Fish preservation technique.	The topic help to understands the basic information about fishery, cultural and harvesting methods of fishes and fish preservation technique.	Visual Auditory Kinesthetic	A, B, C, D	Classroom teaching, PPT, Oral, Group Discussion, Student Seminar, Study Tours and Visits Lecture-cum-demonstration Group activity with the Specimens and slides. Constructive approach: Posters, models making.
7	1 st , 2 nd week of March 24 (3L)	Revision and question paper discussion				

Teekar
Subject Teacher

Madhusi
Head of the Department

Madhusi
Coordinator

Principle
Principal
Bharatiya Jain Sanghatana's
Science & Commerce College
Wagholi Pune-412207

Dr. Madhusi
Bharatiya Jain Sanghatana's
Arts, Science & Commerce College
Wagholi, Pune- 412207.

**Department of Commerce
Agenda of the Meeting****Date: 25/08/2023**

Meeting Name : Departmental meeting for the Academic Year 2023-24					
Date of meeting	29/08/2023	Time	11.30a.m.	Meeting No.	1
Meeting Co-ordinator	Dr.B.B. Landge	venue	Room No.16A		

Meeting Objective: Routine Meeting for Academic Year 2023-24

Sr.no.	Topic	Presenter
1	Academic planning	Dr.B.B. Landge
2	Subject Allocation	Dr.B.B. Landge
3	Departmental Activity	All Staff
4	Workload	Dr.B.B. Landge
5	Extra credit allocation	Dr.B.B. Landge
6	Allocation of class teachers	All Staff
7	Research paper publication	All Staff
8	Any other Topics & Issues	All Staff

Attendees					
S. N	Name	Signature	S.N	Name	Signature
1	Dr. Landge B.B.		6	Prof. Sonawane R.K.	
2	Prof. Jamdade R.N.		7	Prof. Gaikwad J.R.	
3	Dr. Thorat J.D.		8	Dr. Wakhare P.B.	
4	Prof. Patwa S.R.		9	Prof. Sakhare A.S	
5	Prof. Tayade A.P.		10	Prof. Kapre Kirti G.	


Co-Ordinator**Submitted To**
Incharge**Approved by**

Department of Commerce
Minutes of the Meeting**Date: 29/08/2023**

Meeting Name : Departmental meeting for the Academic Year 2023-24					
Date of meeting	25/08/2023	Time	11.30 am	Meeting No.	1
Meeting Co-ordinator	Dr.B.B. Landge	venue	Room No.16A	Minutes prepared by	Prof. Patwa S.R.

S. N	Meeting Agenda	Decision	Person Responsible
1	Academic planning	It was decided that Academic planning should be prepared for Academic year 2022-23	Prof. A.P.Tayade
2	Subject allocation	It was decided that subject should be allotted to each staff.	Dr.B.B. Landge
3.	Dept. Activity	It was decided that each staff should conduct minimum two activities for students during the academic year.	All Staff
4.	Work load	It was decided that workload should be prepared for each staff	Prof.R.K.Sonawane
5.	Extra credit allocation	It was decided that responsibility of extra credit course of students should be taken by class teachers.	All staff
6.	Allocation of class teachers	It was decided that class teachers should be appoint for each class.	All Staff
7.	Research paper publication	It was decided that each staff member should prepare & published minimum 2 research paper every year.	All staff

Next Meeting:

Date	11/09/2023	Time	11.30 am	Venue	Room No.16A
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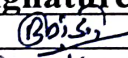

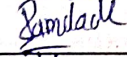

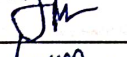


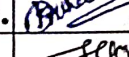
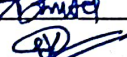
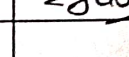

Objective:**Routine meeting/work discussion/Review of work/Decisions and Discussion**
Co-Ordinator
Incharge


**Department of Commerce
Agenda of the Meeting****Date: 20/02/2024**

Meeting Name : Departmental meeting for the Academic Year 2023-24					
Date of meeting	22/02/2024	Time	11.00a.m.	Meeting No.	2
Meeting Co-ordinator	Dr.B.B. Landge	venue	Room No.16A		

Meeting Objective: Routine Meeting for Academic Year 2023-24

Sr.no.	Topic	Presenter
1	Syllabus Completion status	Dr.B.B. Landge
2	Departmental Activity	Dr.B.B. Landge
3	Extra credit allocation	All Staff
4	Internal Examination	Dr.B.B. Landge
5	M.Com lectures	Dr.B.B. Landge
6	Research paper publication	All Staff
7	Any other Topics & Issues	All Staff

Attendees					
S.N	Name	Signature	S.N	Name	Signature
1	Dr. Landge B.B.		7	Prof. Gaikwad J.R.	
2	Prof. Jamdade R.N.		8	Dr. Wakhare P.B.	
3	Dr. Thorat J.D.		9	Prof. Sakhare A.S	
4	Prof. Patwa S.R.		10	Prof. Kapre Kirti G.	
5	Prof. Tayade A.P.		11	Prof. Bhangre Jyoti	
6	Prof. Sonawane R.K.				


Co-Ordinator
Incharge
Principal

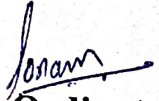
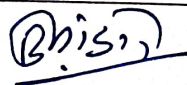
**Department of Commerce
Minutes of the Meeting****Date: 24/02/2023**

Meeting Name : Departmental meeting for the Academic Year 2023-24					
Date of meeting	22/02/2024	Time	11.00 am	Meeting No.	2
Meeting Co-ordinator	Dr.B.B. Landge	venue	Room No.16A	Minutes prepared by	Prof. Patwa S.R.

S. N	Meeting Agenda	Decision	Person Responsible
1	Syllabus Completion status	It was decided in the meeting that all the staff should complete their syllabus by 10 th April 2024.	Dr.B.B. Landge
2.	Dept. Activity	Principal sir said in the meeting that each staff should conduct minimum two activities for students during the academic year based on SSR.	Prof. Jamdade R.N.
3.	Extra credit allocation	It was decided that responsibility of extra credit course of students should be taken by class teachers.	All staff
4.	Internal Examination	It was decided in the meeting that internal Examination should be conducted from 15 th April 2024	Dr.B.B. Landge
5.	M.com Lectures	It was decided in the meeting that M.com lectures will held as per regular timetable and give the notice to the absent students.	All staff
6.	Research paper publication	It was decided that each staff member should prepare & published minimum 2 research paper every year.	All staff

Next Meeting:

Date	23/03/2024	Time	11.00 am	Venue	Room No.16A
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Objective:**Routine meeting/work discussion/Review of work/Decisions and Discussion**
Co-Ordinator
Incharge**Principal**