

**Konkan Education Society's  
Anandibai Pradhan Science College, Nagothane.  
Tal. Roha, Dist. Raigad.Pin.402106  
Department of Chemistry**

## **Details of ICT (PPT/Videos, etc.) Record (Academic Year 2020-21)**

Sr. No.	Name of the teacher	Class	Name of the Topic	No. of PPT Lecture/Videos	Total no. of PPT Lectures
1.	Prof.(Dr). Dinesh Vasant Bhagat	T.Y.B.Sc. Practical	<b>Practical SEM –V</b> Separation of Binary mixture (S+S) and identification of compound <b>Practical SEM –VI</b> Separation of Binary mixture (L+S) and identification of compound	04 01	05
		T.Y.B.Sc Theory	<b>Chemistry Paper-III Organic Chemistry SemV</b> 1.1 Mechanism of organic reactions 1.2 Photochemistry 1.3 Stereochemistry-I 2.2 Agrochemicals 3.1 IUPAC nomenclature 4.1 Spectroscopy- I 4.2 Natural Products <b>Theory Sem-IV</b> 1.1 Stereochemistry II 2.1 Molecular Rearrangements 2.2 Carbohydrates 3.1 Spectroscopy -II 4.1 Polymer 4.2 Catalysts and Reagents	01 01 01 01 01 01 01 01 01 01 01 01 01 01 01	13
2.	Dr.Satish Dnyandeo Patil	F.Y.B.Sc.	<b>PAPER – I (Semester – I) – Theory Unit – III</b> 1)Classification and Nomenclature of Organic Compounds 2) Bonding and Structure of	- 13 03	34



			Organic Compounds 3) Fundamentals of Organic Reaction Mechanism <b>PAPER – II (Semester – I) – Theory Unit – III</b> Stereochemistry – I	06 12	
		T.Y.B.Sc.	<b>PAPER – I (Semester – V) – Theory Unit – III</b> 1) Nuclear Chemistry <b>Unit – IV</b> 1) Surface Chemistry 2) Colloidal State <b>PAPER – I (Semester – V) – Practicals</b> 1) pH-Metry 2) Potentiometry 3) Chemical Kinetics	13 06 09 01 01 01	31
		F.Y.B.Sc.	<b>PAPER – I (Semester – II) – Theory Unit – III</b> 1) Chemistry of Aliphatic Hydrocarbons <b>PAPER – II (Semester – II) - TheoryUnit – III</b> 1) Stereochemistry - II 2) Aromatic Hydrocarbons	16 05 10	31
		T.Y.B.Sc.	<b>PAPER – I (Semester – VI) – Theory Unit – I</b> 1) Applied Electrochemistry <b>Unit – II</b> 1) Polymers <b>Unit – III</b> 1) Renewable Energy Resources <b>Unit – IV</b> 1) Nuclear Magnetic Resonance Spectroscopy 2) Electron Spin Resonance Spectroscopy <b>PAPER – I (Semester – VI) – Practicals</b> 1) Viscometry 2) Conductometry 3) Potentiometry	06 11 05 06 06 03	37
3.	Dr. S. D. Tupare	S.Y. B.Sc.	Chemistry Paper-I <b>Theory Sem-III</b> Halogenated Compound Organo metallic Comp. Alcohols Phenol Epoxides	03 04 03 03 02	18



			<b>Practical Sem-III</b> Paper I Paper II Paper III	01 01 01	
		S.Y.B.Sc	<b>Chemistry Paper-II</b> <b>Theory Sem-III</b> Carbonyl Compounds	01	01
		S.Y.B.Sc	<b>Chemistry Paper-I</b> <b>Theory Sem-IV</b> Carboxylic acid & their Derivatives Sulphonic acid <b>Practical Sem-III</b> Paper I Paper II Paper III	01 01 01 01	05
		S.Y.B.Sc	<b>Chemistry Paper-II</b> <b>Theory Sem-IV</b> Amines Diazonium salts Heterocyclic compounds	01 01 01	03
		T.Y.B.Sc.	<b>Dyes Paper-V Theory Sem-V</b> Syllabus Intro. To Dyes Classification based on appli. Colour & chemical constitution Intermediates & Optical brightener <b>DD Practical</b> Preparation	01 01 01 01 01	05
		T.Y.B.Sc.	<b>Sem-VI</b> Classification based on constitution Health and environmental hazards of synthetic dyes and their remediation process Non-textile Uses of dyes Pigments <b>DD Practical</b> Preparation You tube video	01 01 01 01 01	06
		M.Sc. Part-I	<b>Paper-II Inorganic Chemistry</b> Sem-II Organometallic Compounds	01	01
		M.Sc. Part-II	<b>Paper III Sem- III</b> Natural Product and spectroscopy Carbohydrates	01 01	03



			Pigment & Alkaloids	01	
		M.Sc. Part-II	Paper III Sem- III Heterocyclic Compounds-I Heterocyclic compound -II	01 01	02
4.	Mr. Jayesh Vasant Patil	F.Y.B.Sc.	Practical Sem-I Chemical Kinetics Commercial Analysis Titration using double indicator Practical Sem-II Colorimetry semimicro	01 01 01 01	05
		T.Y.B.Sc. SEM V	Inorganic Chemistry Theory Paper II Sem-V Syllabus <b>UNIT I</b> CHEMICAL BONDING AND MOLECULAR SYMMETRY <b>UNIT II</b> SOLID STATE CHEMISTRY <b>UNIT III</b> CHEMISTRY OF INNER TRANSITION ELEMENTS <b>UNIT IV</b> SOME SELECTED TOPICS 1 Chemistry of Non aq. solvent 2 Comparative chemistry of group 16 3 Comparative chemistry of group 17 <b>INORGANIC PRACTICAL</b> Prepartion Estimation You tube video	02 02 04 01 01 01	14



		T.Y.B.Sc. SEM VI	<b>Inorganic Chemistry Theory</b> <b>Paper II Sem-VI Syllabus</b> <b>UNIT I</b> <b>Coordination Chemistry</b> <b>UNIT II</b> <b>2. Properties of Coordination compounds</b> <b>UNIT III</b> <b>Organometallic Chemistry</b> <b>UNIT IV</b> <b>SOME SELECTED TOPICS</b> 4.1 Metallurgy 4.2 chemistry of group 18 4.3 Introduction to bio inorganic chemistry. <b>INORGANIC PRACTICAL</b> Preparation Estimation YouTube video	02 04 04 03 01 01 01	16
		M.Sc. Part-I	<b>Paper-II Inorganic Chemistry Theory</b> Sem-I Chemical bonding Sem-II Inorganic reaction mechanism.  <b>Paper-II Inorganic Chemistry practical</b> Sem-I	01 01	02
5.	Dr.Vilas R. Jadhavar	F.Y.B.Sc.	<b>Practical Sem-I</b> Chromatography Gravimetry Purification of Solid compounds <b>Practical Sem-II</b> Redox Titration	01 01 01 01	04
		S.Y.B.Sc	<b>Chemistry Paper-III Theory</b> <b>Sem-III</b> Syllabus Introduction to Ana. Chemistry Gravimetric Analysis Neutralisation Titrations Titrimetric Methods <b>Theory Sem-IV</b> Syllabus Potentiometry Instrumental methods-II	01 01 01 01 01 01 01 01	08
		T.Y.B.Sc.	<b>Drugs Paper-V Theory</b> <b>Sem-V</b>		20



			Syllabus Intro. To Drugs Analgesic/Antipyretics Antidiabetic Antihistamines Antiparkinsonism Cardiovascular drugs Drugs for Respiratory System <b>Sem-VI</b> Drug Discovery Design & Development Antibiotics & Antivirals Antimalarial Anthelmintics & Antifungals Antiamoebic drugs AntiTB and Antileprotics Antineoplastic drugs AntiHIV drugs Drug Intermediates Nanoparticles in Med.Chem Drugs and Env. Aspects <b>DD Practical</b> Preparation Estimation You tune video	01 01 01 01 01 01 01 01  02 01 01 01 01 01 01 01 01 01 01 01 01 01 01 01	
		M.Sc. Part-I	<b>Paper-IV Analytical Chemistry Theory</b> Sem-I Thermal Methods and Automation in chemical Analysis Sem-II Surface Analytical techniques <b>Paper-II Inorganic Chemistry Theory Sem-II</b> Environmental Chemistry	01 01 01 01	03
6.	<b>Mrs S. V. Choudhari</b>	S.Y.B.Sc.	<b>Practical Sem-III Paper I</b> Conductometry, chemical kinetics, Semi micro analysis, <b>Practical Sem-IV Paper I-</b> Potentiometer, chemical kinetics, Inorganic preparations	01 01 01 01 01 01 01	06



		S.Y.B.Sc	<b>Physical Chemistry</b> <b>Theory Sem-III Paper-I</b> Chemical Thermodynamics Electrochemistry <b>PAPER –II</b> Chemical Kinetics Solutions <b>Theory Sem-IV</b> <b>PAPER -I</b> Electro chemistry Phase equilibria <b>Paper II</b> Solid state Catalysis		25
		T.Y.B.Sc	<b>Physical Chemistry I Theory</b> <b>Sem-V</b> Molecular Spectroscopy 1. Viabrational –Rotational 2. Raman spectroscopy <b>UNIT 2-Chemical Thermodynamics</b> 1. Elevation of Boiling Point 2. Depression in freezing point, 3. Osmotic Pressure-. <b>Chemical kinetics-</b> 1 Collision theory, its application 2. Unimolecular reaction Lindeman's theory 3. Classification of reactions <b>Sem-VI Physical Chemistry</b> <b>Electrochemistry</b> 1. Activity and activity coefficient 2. Calssification of cell- <b>Basics of Quantum chemistry</b> 1-Classical mechanism 2. Quantum mechanics 3 Quantum mechanism 4.Hamiltonian operator, Eigen Value <b>Inorganic Practical</b> Preparation Estimation		25
		M.Sc. Part-I	<b>Paper-I Physical Chemistry</b> <b>Theory</b> <b>Sem-I</b> Chemical Thermodyanamics I <b>Sem-II</b>	5	10



			<b>Chemical Thermodynamics I</b>	<b>5</b>	
7.	Dr. M. D. Shirsath	S.Y.B.Sc.	<b>Practical Sem-I</b> Chemical Kinetics Inorganic preparation Gravimetric estimation <b>Practical Sem-II</b> Potentiometry Conductometry	01 01 01 01 01 01	06
		S.Y.B.Sc	<b>Chemistry Paper-III Theory</b> <b>Sem-III</b> Syllabus Optical Methods-I Photometric Titrations Errors in the analysis <b>Theory Sem-IV</b> Syllabus Treatment of analytical data Solvent extraction Chromatography	01 01 01 01 01 01	07
		T.Y.B.Sc.	<b>Analytical chemistry Sem-V.</b> <b>Practicals</b> Syllabus Estimation of Cola sample Determination of fluoride ions Determination of Ca in the talcum powder Estimation of pursulphate ions <b>Sem-VI</b> Determination of acetic acid in vinegar sample Estimation of glucose in honey sample Chemical oxygen demand <b>Theory. Sem- V</b> Complexometric titrations Flame photometry Molecular fluorescence Molecular phosphorescence. <b>Sem- VI</b> Gas chromatography Foods and cosmetics analysis	01 01 01 01 01 01 01 01 01 01 01 01 01 01 01 01 01 01	14
		M.Sc. Part-I	<b>Sem-I Analytical Chemistry</b> <b>Theory</b> FTIR spectroscopy <b>Sem-II</b> Gas chromatography	01 01	02
8.	Dr. Smita T. Morbale	F.Y.B. Sc. Sem. I F.Y.B. Sc.	Atomic structure Periodic Table and periodicity Comparative chemistry of	03 02 02	10



		Sem. II	Main Group Elements: Acid base theories Oxidation reduction Chemistry	01 02	
		S.Y.B.Sc	<b>Chemistry Practical's</b> To determine COD of water sample Nitration of Nitrobenzene To prepare Phthalic anhydride from phthalic acid <b>Theory Sem-IV</b> Organic spotting	01 01 01 01	04
		T.Y.B.Sc.	<b>Analytical chemistry Paper-IV</b> <b>Theory Sem-V</b> Quality in Analytical Chemistry Chemical Calculations High Performance Liquid chromatography High Performance Thin Layer Chromatography <b>Sem-VI</b> Polarography Amperometric Titrations Thermal Methods <b>Analytical chemistry practical's</b> Estimation of Talcum Powder Determination of phosphoric acid in cola sample pH metrically.	03 03 03 02 02 02	20
		M.Sc. Part-I	<b>Sem 1 Paper 3</b> Aromaticity <b>Sem-2 Paper 3</b> Alkylation of nucleophile carbon intermediate and reactions of carbon nucleophile	02 02	04
		M.Sc. Part-II	<b>Sem 3 Paper 2</b> Radicals in organic synthesis <b>Sem 4 Paper 2</b> Designing organic synthesis	02 02	04
9.	Mrs Poonam Darshan Joshi	M.sc Part 1 Sem 1	<b>Paper 1(Physical Chemistry)</b> Electrochemistry <b>Paper 2 (Inorganic Chemistry)</b> Characterisation of Coordination compounds <b>Paper 3 (Organic Chemistry)</b> Physical Organic Chemistry	01 01 01	03
		M.sc	<b>Paper 1(Physical Chemistry)</b>		04



		Part 1 Sem 2	Chemical Kinetics and Molecular Reaction Dynamics <b>Paper 2 (Inorganic Chemistry)</b> Bioinorganic Chemistry <b>Paper 3 (Organic Chemistry)</b> NMR spectroscopy and Mass spectrometry <b>Paper 4 (Analytical Chemistry)</b> X-ray spectroscopy and mass Spectrometry	01 01 01 01	
		M.Sc Part 2 Sem 3	<b>Paper1 :- (Theoretical Organic Chemistry)</b> Pericyclic Reactions <b>Paper 2(Synthetic Organic Chemistry)</b> Name reactions with mechanism and application <b>Paper 4(Medicinal , Biogenesis and green chemistry)</b> Drug discovery, design and development Drug design, development and synthesis Green chemistry <b>Separation of a ternary mixture of organic compounds and identification including derivative preparations using micro- scale technique</b>	01 01 01 01 01 01 01	06
		M.Sc. Part 2 Sem 4	<b>Paper1 :- (Theoretical Organic Chemistry)</b> Supramolecular Chemistry <b>Paper 2(Synthetic Organic Chemistry)</b> Electro-organic chemistry and Selected methods of Organic synthesis Transition and rare earth metals in organic synthesis <b>Paper 4(Research Methodology)</b> Print,Journal,Digital Methods of scientific research and writing.	01 01 01 01	05
10.	Mrs. Shraddha salunke	F.Y.B.Sc.	<b>Practical Sem-I</b> Chromatography Gravimetry	01 01	04



			Purification of Solid compounds <b>Practical Sem-II</b> Redox Titration	01 01	
		F.Y.B.Sc	<b>Chemistry Paper-I</b> <b>Sem 1</b> Chemical thermodynamics Chemical calculation Introduction and definition <b>Paper II</b> Chemical kinetics Liquid state <b>Theory Sem-II paper 1</b> Gaseous state Chemical equilibria and thermodynamic parameter <b>PAPER II</b> ionic equilibria Molecular spectroscopy Solid state chemistry	01 01 01 01 01 01 01 01 01	09
		M.Sc. Part-I	<b>Paper-I</b> chemical kinetics and molecular reaction dynamics Physical chemistry Practical To find out the formula of silver ammonia complex Potentiometrically PH merry(Hammett's constant) Conductometry(CMC of sodium lauryl sulphate)	01 01 01 01 01	04
11.	<b>Mrs. Chaitrali S.Patil</b>	M.Sc. Part-I	<b>Practical SEM-I</b> <b>Paper-IV</b> Analytical Chemistry Volumetric estimation Ion selective methods Solvent extraction <b>Practical SEM-II</b> <b>Paper-IV</b> Analytical Chemistry pH metry Spectrophotometry Potentiometry	01 01	02
		M.Sc.-I	<b>Theory SEM-I</b> Paper-I Unit-3 Chemical Dynamics-I Paper-IV Unit-1 Language of analytical chemistry	01 01	02



		M.Sc.-II	<b>Practical SEM-III</b> Single step organic preparation and purification <b>Theory SEM-IV</b> Paper-III Unit-II Natural Products-IV	01	02
				01	
				<b>Total=</b>	<b>453</b>

  
Head of the Department



  
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K.E.S. A. P. Science College  
Nagothane, Dist. Raigad (M.S.)

**Konkan Education Society's  
Anandibai Pradhan Science College, Nagothane.  
Tal.-Roha, Dist.-Raigad. Pin.-4020106**  
**Department of Physics**

## **Details of ICT/PPT/Videos Record (Academic Year 2020-21)**

Sr. No.	Name of the teacher	Class	Name of the Topic	No. of PPT Lecture/ Videos	Total no. of PPT Lectures
1.	Dr. Vikas S. Shinde	F.Y.B.Sc. Physics Paper I	Newton's Laws Fluid Dynamics Elasticity Behaviour of real gases Thermodynamics Lenses Aberration Interference	1 1 1 1 1 1 1 1	08
2.	Dr. Vikas S. Shinde	S.Y.B.Sc. Physics Paper II	Vector Calculus Transistor Biasing General Amplifier Characteristics Oscillators Operational Amplifiers	1 1 1 1 1	05
03.	Dr. Sandesh S. Gurav	S.Y.B.Sc. Physics Paper III	Acoustics of buildings Laser:- Properties Applications Fiber Optics	1 1 1 1	04



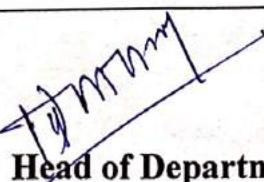
J. Gupte  
**PRINCIPAL**  
K.E.S. A.P. Science College  
Nagothane, Dist. Raigad (M.S.)

Konkan Education Society's  
Anandibai Pradhan Science College, Nagothane.  
Tal.Roha,Dist.Raigad.Pin.4020106

**Department of Botany**

**Details of ICT(PPT/Videos,etc.) Record (Academic Year 2020-21)**

Sr. No.	Name of the teacher	Class	Name of the Topic	No. of PPT	Total no. of PPT
1.	<b>Dr.Vijay Chavan</b>	F.Y.B.Sc.	<b>SEM-I PAPER-II</b> CELL BIOLOGY GENETICS EOLOGY <b>SEM-II PAPER-II</b> ANATOMY PLANT PHYSIOLOGY MEDICINAL BOTANY	01 01 01 01 01 01 01	06
			<b>SEM-III PAPER-I</b> TAXONOMY OF AGIOSPERMS	01	01
		S.Y.B.Sc	<b>SEM-III PAPER-II</b> MITOSIS MEIOSIS STRUCTURE OF DNA DNA REPLICATION CHROMOSOMAL ABBERATION	01 01 01 01 01	05
			<b>SEM-IV PAPER -I</b> GYMNOSPERMS RHYNIA PTERIDOPHYTA	01 01 01	03
		S.Y.B.Sc.	<b>SEM-IV PAPER -II</b> ANATOMY RESPIRATION PHOTOPERIDISM ECOLOGY	01 01 01 01	04
<b>TOTAL</b>					<b>19</b>

  
**Head of Department**



  
**Principal**  
**PRINCIPAL**  
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Nagothane, Dist. Raigad (M.S.)



**Konkan Education Society's  
Anandibai Pradhan Science College,  
Nagothane, District-Raigad (Maharashtra)**  
**Department of Mathematics**  
**Details of ICT Record (Academic Year 2020-21)**

**You Tube links**

<b>SR No.</b>	<b>Topic</b>	<b>You tube Link</b>
1	INTEGER F. Y. B.Sc. sem 1 By DEOKATE SIR	<a href="https://youtu.be/5OnH4UAauoE">https://youtu.be/5OnH4UAauoE</a>
2	FUNCTIONS AND RELATIONS PART 6 BY DEOKATE SIR FY PCM MATHS	<a href="https://www.youtube.com/watch?v=wqbLpCI06Vo">https://www.youtube.com/watch?v=wqbLpCI06Vo</a>
3	FUNCTIONS PART 4 FY PCM SEM1 MATHS 2	<a href="https://www.youtube.com/watch?v=jfilvHaM8U0">https://www.youtube.com/watch?v=jfilvHaM8U0</a>
4	FUNCTIONS AND RELATIONS PART 3 FY B.Sc. SEM I PAPER 2 BY DEOKATE SIR	<a href="https://www.youtube.com/watch?v=ABi4ogGHkj0">https://www.youtube.com/watch?v=ABi4ogGHkj0</a>
5	FY B.Sc. SEM I PAPER 2 FUNCTIONS AND RELATION PART 1 BY DEOKATE SIR	<a href="https://www.youtube.com/watch?v=dYrbTn4Wy6U">https://www.youtube.com/watch?v=dYrbTn4Wy6U</a>
6	POLYNOMIALS . PROBLEMS ON RELATION BETWEEN COEFFICIENTS AND ROOTS OF POLYNOMIALS BY DEOKATE SIR	<a href="https://www.youtube.com/watch?v=6y1b0RqwI-U">https://www.youtube.com/watch?v=6y1b0RqwI-U</a>
7	POLYNOMIALS. RELATION BETWEEN COEFFICIENTS AND ROOTS OF POLYNOMIALS. BY DEOKATE SIR	<a href="https://www.youtube.com/watch?v=Iy5MYBuA1MA">https://www.youtube.com/watch?v=Iy5MYBuA1MA</a>



8	POLYNOMIALS G.C.D. F.Y.PCM MATHS BY DEOKATE SIR	<a href="https://www.youtube.com/watch?v=M6Fi77jo6uk">https://www.youtube.com/watch?v=M6Fi77jo6uk</a>
9	POLYNOMIALS, REMAINDER THEOREM. FY B.Sc. Sem. 1 MATHS BY DEOKATE SIR	<a href="https://www.youtube.com/watch?v=NhbUP1R6XII">https://www.youtube.com/watch?v=NhbUP1R6XII</a>
10	POLYNOMIAL PART 2	<a href="https://www.youtube.com/watch?v=NeflF6MnKVE">https://www.youtube.com/watch?v=NeflF6MnKVE</a>
11	POLYNOMIAL PART 1 FY PCM MATHS PAPER II BY DEOKATE SIR	<a href="https://www.youtube.com/watch?v=f8RAeqjg78E">https://www.youtube.com/watch?v=f8RAeqjg78E</a>



*[Signature]*  
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**Konkan Education Society's**  
**Anandibai Pradhan Science College, Nagothane.**  
 Tal.Roha,Dist.Raigad.Pin.4020106  
**Department of Information Technology**



**Details of ICT(PPT/Videos,etc.)record (Academic Year 2020-21)**

Sr. No.	Name of the teacher	Class	Name of the Topic	No. of PPT Lecture/ Videos	Total no. of PPT Lectures
1.	<b>Mrs. Nilam Mahale</b>	S.Y.B.Sc I.T	<b>Paper-II Data Structure</b> Introduction to Data Structure Array Linked List	02 01 01	15
		S.Y.B.Sc I.T	<b>COST</b> The Mean, Median, Mode, and Other Measures of Central Tendency	02	02
		F.Y.B.Sc I.T	<b>Paper –III Digital Electronics</b> Unit 1 Combinational Circuits Sequential Circuits	01 02 01	15
		F.Y.B.Sc I.T	<b>Web Programming</b> domain name server, internet address, World Wide Web (WWW):	01 01	02
		T.Y.B.Sc.I.T.	<b>PaperIII-Advanced Web Programming</b> Unit-1	03	12
		T.Y.B.Sc.I.T.	<b>Business Intelligence</b> The role of mathematical models Business intelligence architectures	01 01	02
2.	<b>Ms. Tejashree Patil</b>	F.Y.B.Sc.I.T,	<b>Object Oriented Programming</b> Dictionary Tuple	03 03	12



			<b>List Keywords Data Types</b>	02 01 03	
		F.Y.B.Sc.I.T,	<b>Imperative programming Keywords Data types</b>	01 01	02
		S.Y.B.Sc I.T	<b>Paper-I- Programming with Python Keywords Data Types Dictionary Tuple List</b>	01 03 03 03 02	12
		S.Y.B.Sc I.T	<b>Core java The Java API, java platform</b>	01 01	02
		T.Y.B.Sc.I.T	<b>Paper-V- Principles of Geographic Information System The nature of GIS Computer representations of geographic information Stages of spatial Data handling GIS and Spatial Database</b>	03 05 03 04	15
		T.Y.B.Sc.I.T	<b>Enterprise java Java EE Architecture, Server and Containers: Types of System Architecture</b>	01 01	02
3.	<b>Mrs. Sonal Patil</b>	S.Y.I.T	<b>Database Management System The importance of data model Basic building blocks,</b>	01 01	02
		S.Y.I.T	<b>Software Engineering Functional and Non- functional requirements,</b>	02	02
		T.Y.I.T	<b>Artificial Intelligence searching for solutions uninformed search</b>	01 01	02
		T.Y.I.T	<b>Cyber Laws Cyber Fraud and Cyber Cheating, Virus on the Internet,</b>	01 01	02
4.	<b>Ms.Priyanka Pawar</b>	F.Y.I.T	<b>Communication Skills Interviews</b>	01	02



			<b>Letter writing</b>	<b>01</b>	
		F.Y.I.T.	<b>Microprocessor Architecture</b> <b>Microprocessor Architecture and its operation's,</b>	<b>02</b>	<b>02</b>
		S.Y.I.T	<b>Computer Networks</b> Protocol layering TCP/IP protocol suite	01 01	02
		S.Y.I.T	<b>Introduction to Embedded Systems</b> Big endian and Little endian processors Application specific ICs	01 01	02
		T.Y.I.T	<b>Software Project Management:</b> Introduction to Software Project Management An Overview of Project Planning	01 01	02
		T.Y.I.T	<b>Software Quality Assurance</b> Quality Principles of Total Quality Management, Quality Management Through Statistical Process Control,	01 01	02
<b>5.</b>	<b>Ms. Ashwini Chavan</b>	F.Y.I.T	Discrete Mathematics Definitions and the Element Method of Proof,	02	02
		F.Y.I.T	<b>Numerical and Statistical Methods</b> Significant Figures, Accuracy and Precision,	02	02
		S.Y.I.T	<b>Applied Mathematics</b> Properties of characteristic vectors, Caley-Hamilton Theorem,	01 01	02
		S.Y.I.T	<b>Computer Graphics and Animation</b> Scan conversion	02	02
		T.Y.I.T	<b>The Internet of Things:</b> The Internet of Things: An Overview: Design Principles for Connected Devices Internet Principles	01 01	02



		T.Y.I.T	<b>Security in Computing</b> The Weakest Link Strategy and Tactics,	01 01	02
6.	Ms. Asmita Patil	F.Y.I.T	<b>Operating Systems</b> different operating systems, operating system concepts,	02	02
		F.Y.I.T	<b>Green Computing</b> Global Initiatives: United Nations, Basel Action Network, Basel Convention, North America: The United States.	02	02
				<b>Total =</b>	<b>128</b>

*Nmohule*  
**Head of Department**



*JY 2022*  
**Principal**  
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**Konkan Education Society's  
Anandibai Pradhan Science College, Nagothane.  
Tal.Roha, Dist.Raigad.Pin.4020106**

**Department of Computer Science  
Details of ICT(PPT/Videos,etc.)record (Academic Year 2020-21)**

Sr. No.	Name of the teacher	Class	Name of the Topic	No. of PPT Lecture/ Videos	Total no. of PPT Lectures
1.	<b>Mrs. Nilam Mahale</b>	F.Y.B.Sc.Computer Science	<b>Paper-II Data Structure</b> Introduction to Data Structure Array Linked List	02 01 01	15
		F.Y.B.Sc.Computer Science	<b>Statistical Methods</b> <b>Data types</b> <b>Measure dispersions</b> <b>Correlation</b> <b>Probability</b>	01 01 01 01	
2.	<b>Ms. Tejasree Patil</b>	F.Y.B.Sc.Computer Science	<b>Paper –II-Introduction of Programming with Python</b> Dictionary Tuple List Keywords Data Types	03 03 02 01 03	12
		F.Y.B.Sc.Computer Science	<b>Advanced Python Programming</b> <b>Operators</b> <b>Variables</b> <b>Python key words</b> <b>String comparision</b>	01 01 01 01	
3.	<b>Mrs. Sonal Patil</b>	F.Y.B.Sc.Computer Science	<b>Open Source Technologies</b> <b>Open source</b> <b>Free software</b> <b>Closed source</b> <b>Foss licences</b>	01 01 01 01	05
		F.Y.B.Sc.Computer Science	<b>E-Commerce &amp; Digital Marketing Model's of commerce's</b>	01	
4.	<b>Ms.Priyanka Pawar</b>	F.Y.B.Sc.Computer Science	<b>Digital Systems &amp; Architecture</b>		06



			Logic gates Memories Multiplexer Half adder	01 01 01 01	
		F.Y.B.Sc.Computer Science	Design & Analysis of Algorithms Greedy algorithm Divide and Conquer	01 01	
5.	Ms. Ashwini Chavan	F.Y.B.Sc.Computer Science	LINUX Operating System Linux architecture Graphical desktop Command line Linux documentation File operation	01 01 01 01 01 01	09
		F.Y.B.Sc.Computer Science	Introduction to OOPs using C++ <b>Object</b> <b>Class</b> <b>Inheritance</b> <b>Abstraction</b>	01 01 01 01 01	
6.	Ms. Asmita Patil	F.Y.B.Sc.Computer Science	Discrete Mathematics <b>Functions</b> <b>Relations</b> <b>Permutation &amp; combinations</b> <b>Graphs</b> <b>Trees</b>	01 01 01 01 01 01	10
		F.Y.B.Sc.Computer Science	Database Systems <b>Data Models</b> <b>ER Model</b> <b>Relational Algebra</b> <b>Relational Data Model</b> <b>DDL Statements</b>	01 01 01 01 01 01	
7.	Ms. Rutuja Karjekar	F.Y.B.Sc.Computer Science	Soft Skills <b>Personality Development</b> <b>Emotional Intelligence</b> <b>Communication</b> <b>Group Discussion</b>	01 01 01 01 01	09
		F.Y.B.Sc.Computer Science	Calculus <b>Review of functions</b> <b>Newton's method</b> <b>Integration</b> <b>Partial derivatives</b>	01 01 01 01	
				<b>Total =</b>	<b>66</b>

*Nmukul*  
Head of Department



*Jyoti*  
Principal  
PRINCIPAL  
K.E.S. A. P. Science College  
Nagthane, Dist. Raigad (M.S.)





**Konkan Education Society's  
'Bapusaheb Deshpande Educational Complex'**  
**ANANDIBAI PRADHAN SCIENCE COLLEGE**

Nagothane, Tal.-Roha, Dist. Raigad, Pin. 402 106

Phone :-( 02194) 222582

President: Sanjay Datta Patil

Tel. Fax: 02194 – 223699

Principal: Dr. Sandesh S. Gurav

E-mail: [principalapsc@yahoo.co.in](mailto:principalapsc@yahoo.co.in) Website: <http://www.apcnagothane.edu.in>

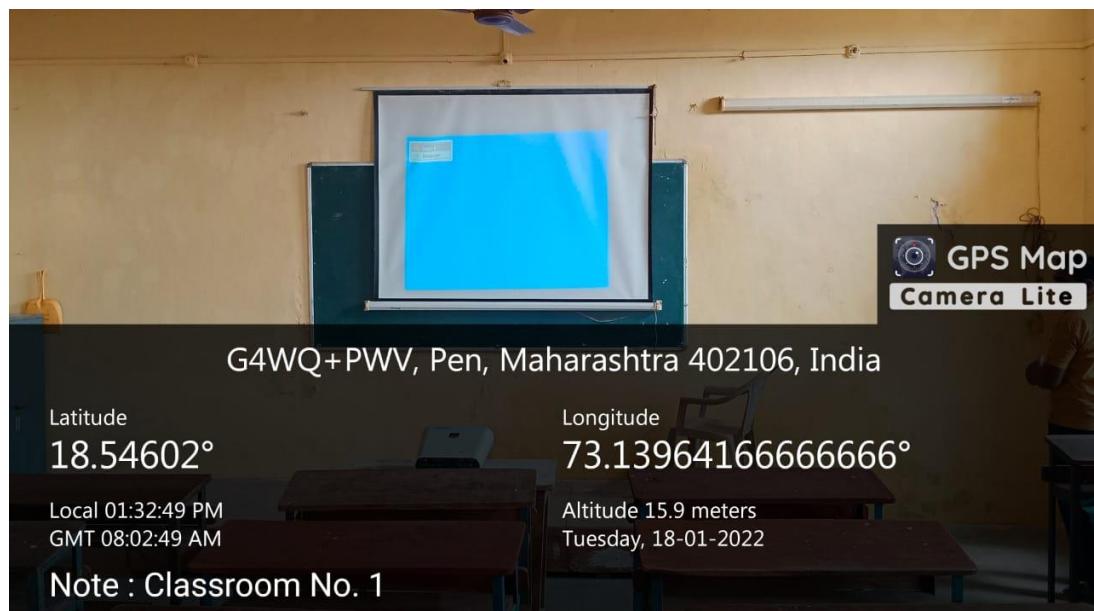
Permanently affiliated to the University of Mumbai & Recognized by the  
Government of Maharashtra

Included Under Section 2(f) &12(B) of the U.G.C. Reaccredited by NAAC with 'B+' Grade

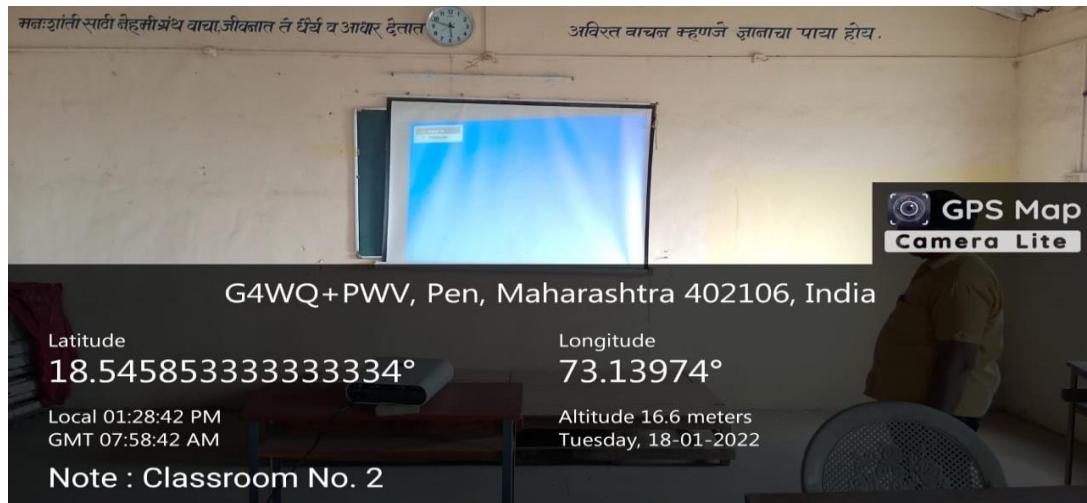
**4.1.3 Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.**

**Photos of Each Classroom, Laboratories, Computer Practical Lab**

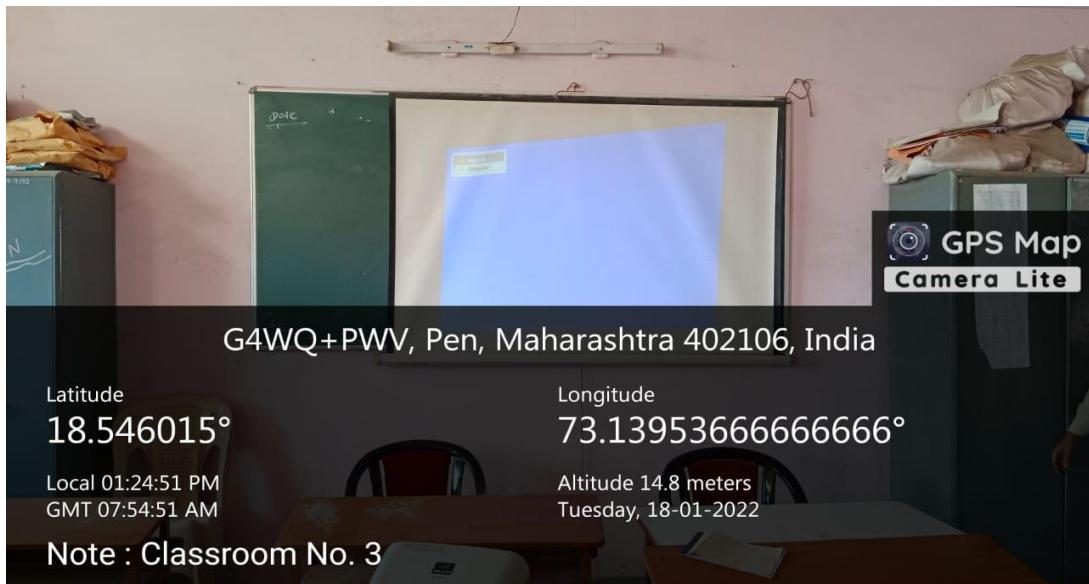
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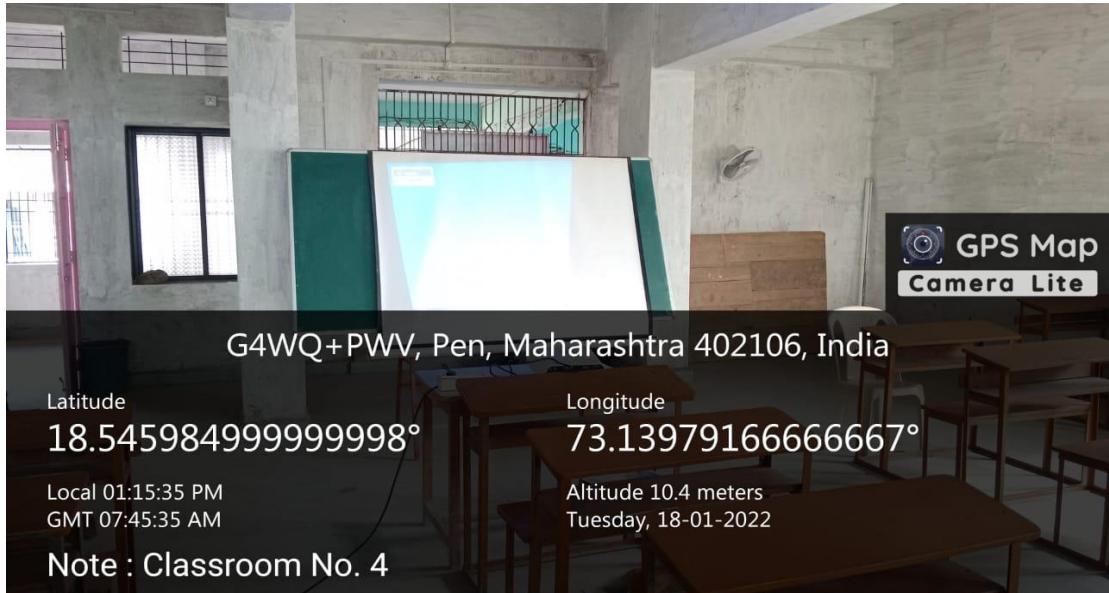
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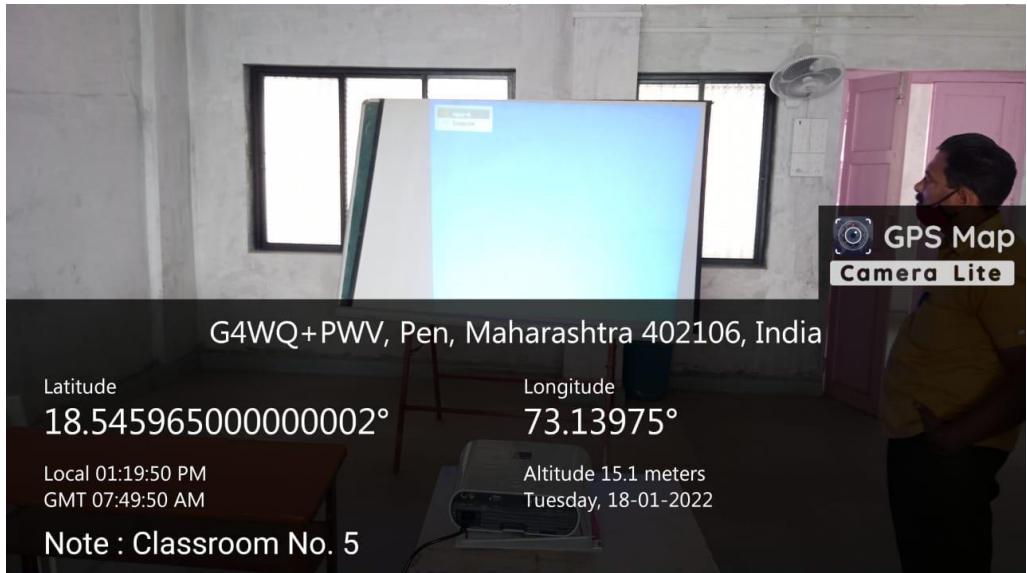
## CLASSROOM -3



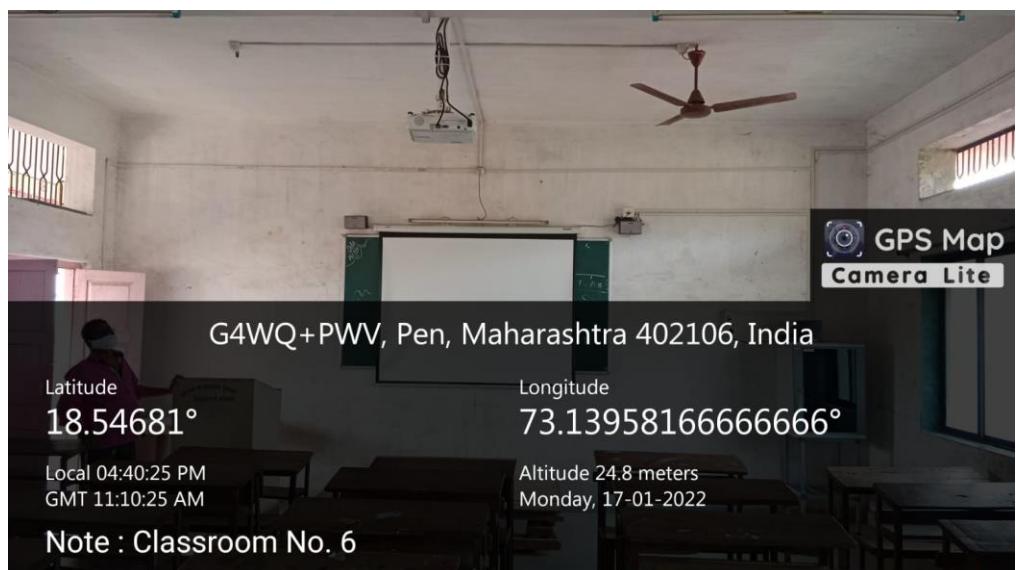
## CLASSROOM -4



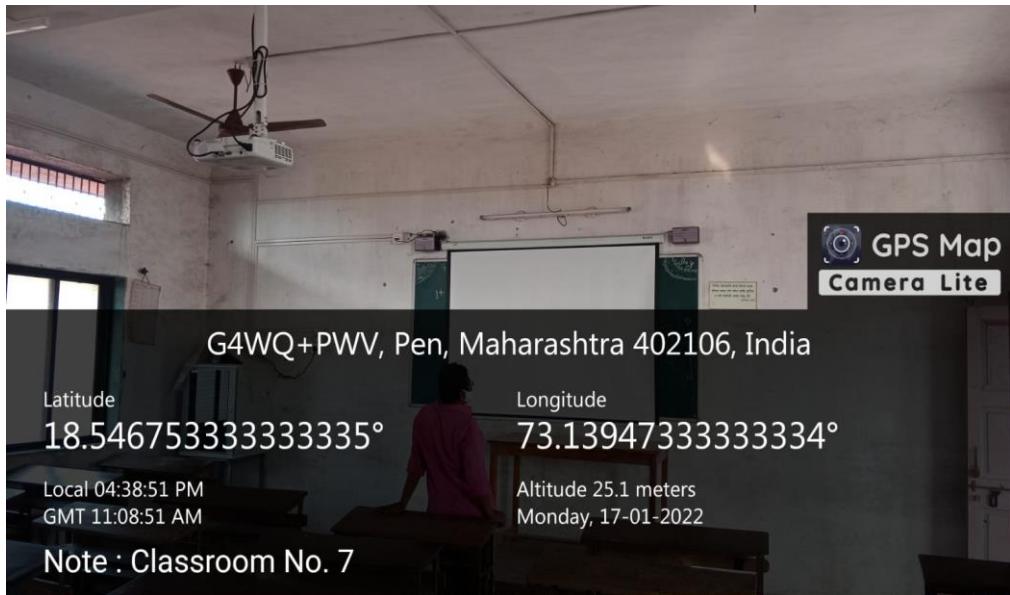
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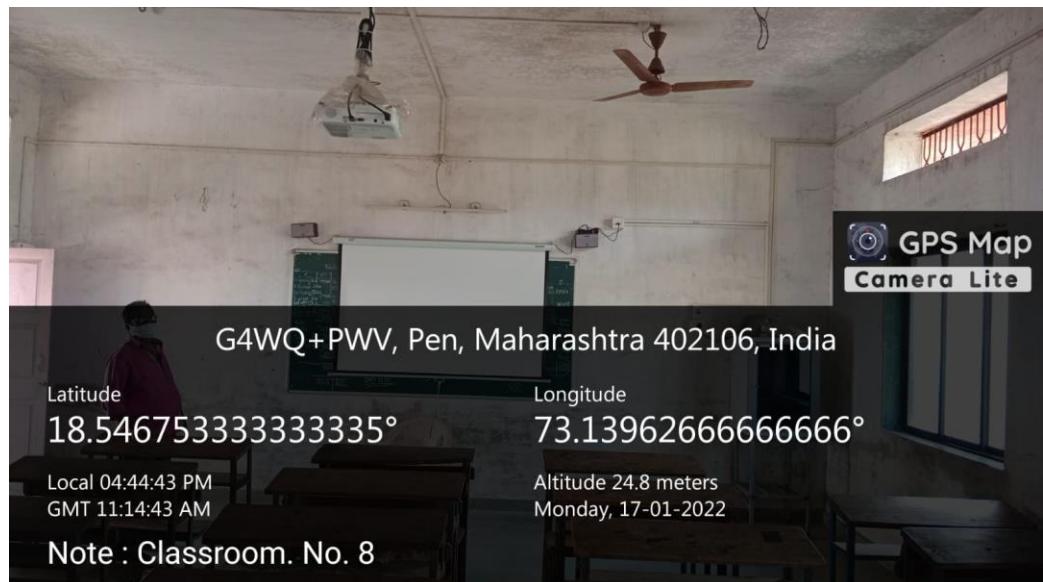
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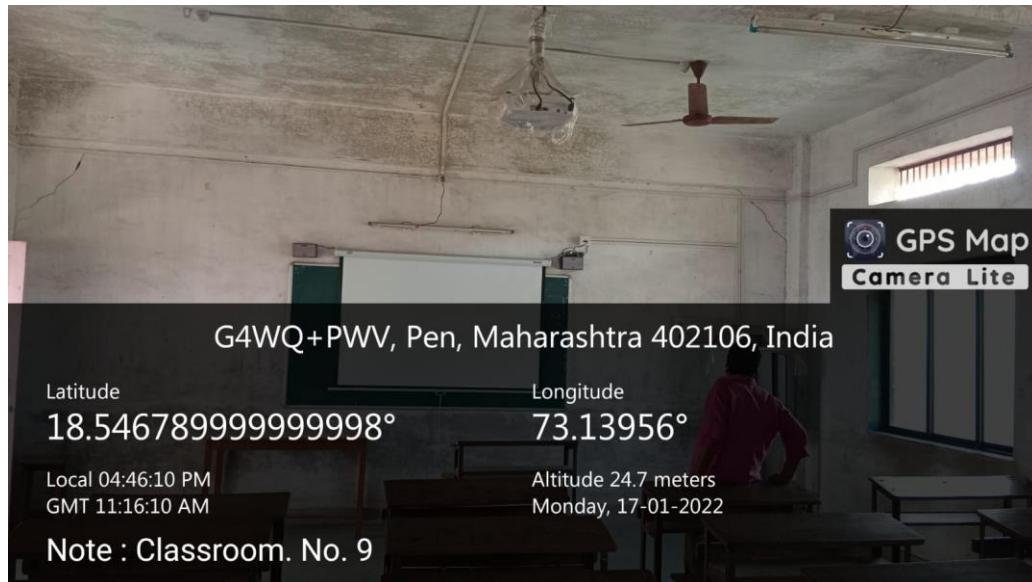
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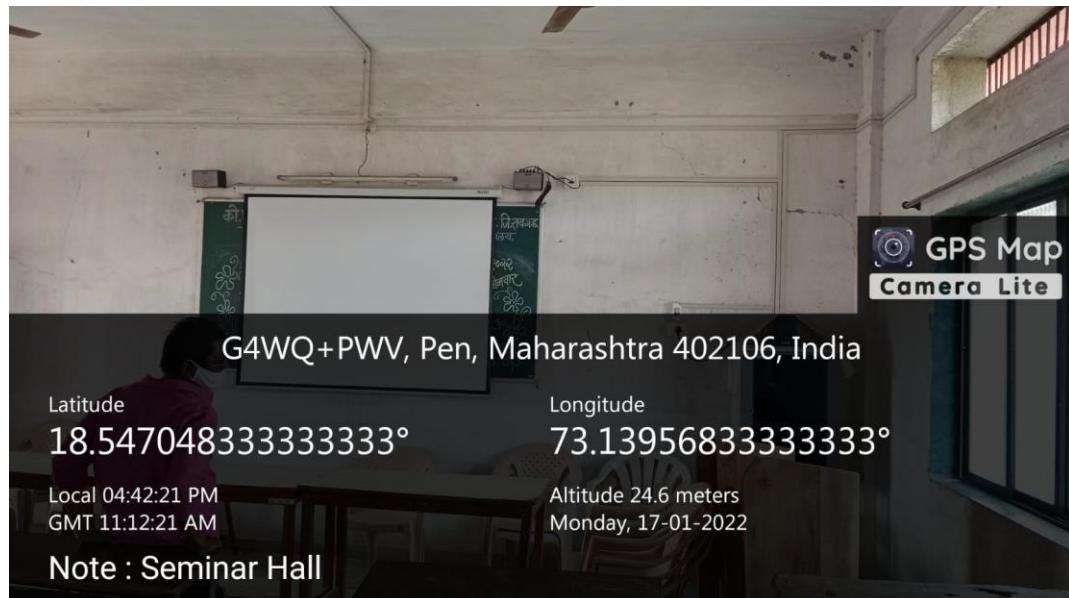
## CLASSROOM -8



## CLASSROOM -9

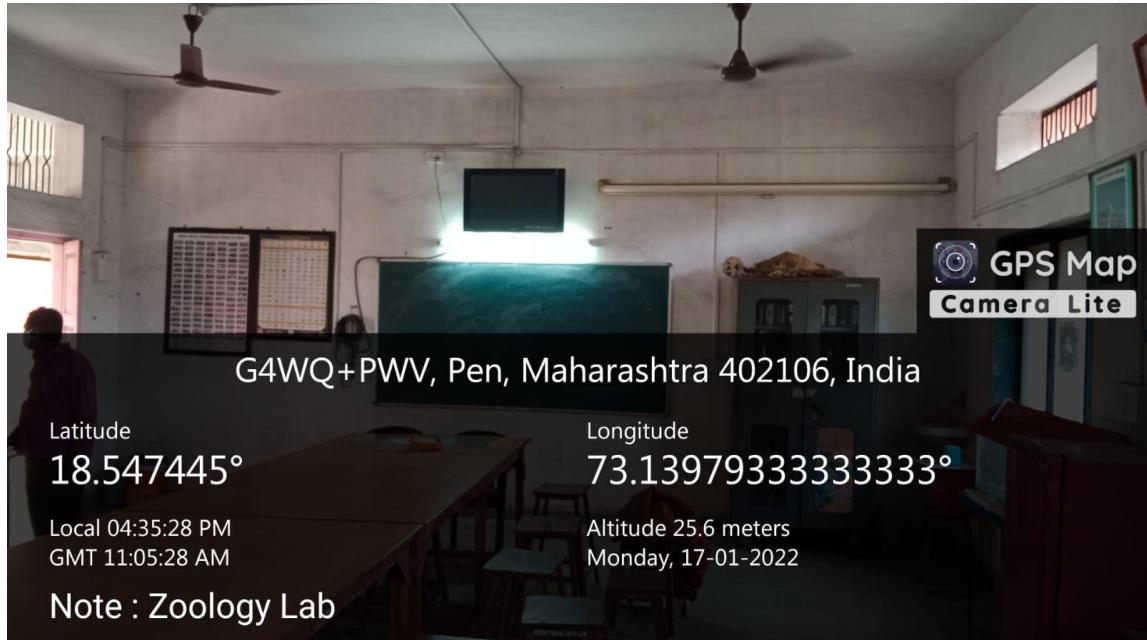


## SEMINAR HALL

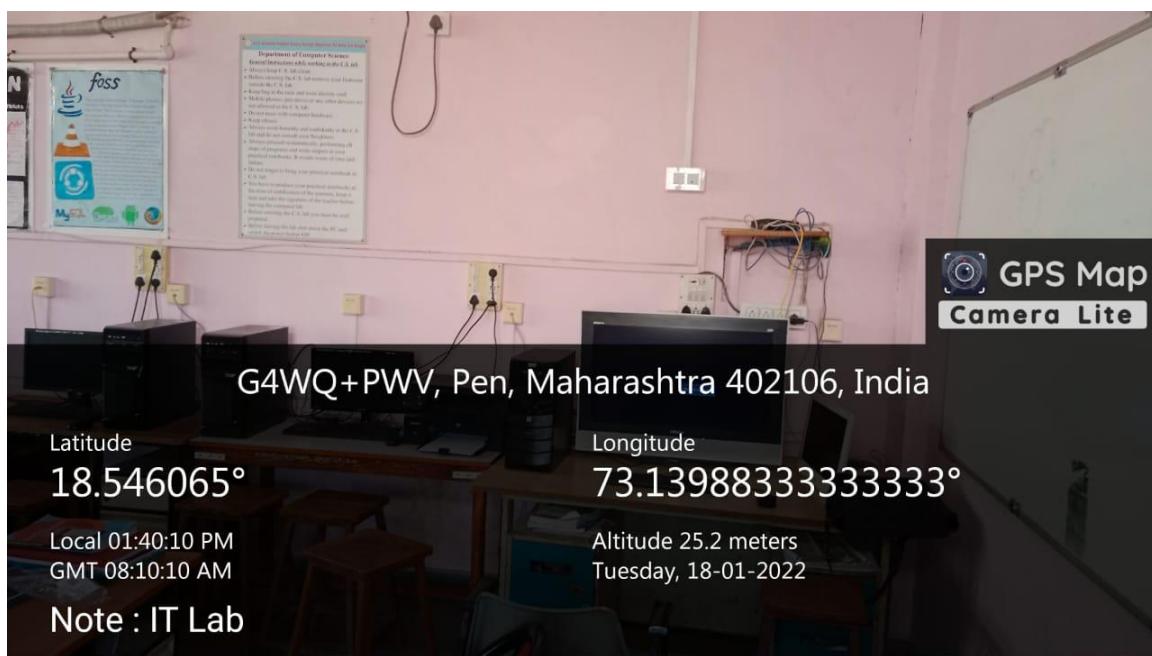


# LABORATORIES

## ZOOLOGY DEPARTMENT LAB



## I.T. DEPARTMENT PRACTICAL LAB





## C.S. DEPARTMENT PRACTICAL LAB



