



Vidyavardhini's

College of Engineering & Technology

Vasai Road (W)

First Year Engineering

Course Booklet (Practical)

Semester	I	Class	F.E. (CSE(DS))
Course Code	BSL101	Academic Year	2024-25
Course Name	Applied Physics		
Name of Faculty	Dr. Vivek Singh		
Supporting Staff	Mrs.Shraddha Mhatre		



Vidyavardhini's College of Engineering & Technology

Vision

To be a premier institution of technical education, aiming at becoming a valuable resource for industry and society.

Mission

- To provide technologically inspiring environment for learning.
- To promote creativity, innovation and professional activities.
- To inculcate ethical and moral values.
- To cater personal, professional and societal needs through quality education.



Program Outcomes (POs):

Engineering Graduates will be able to:

- **PO1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **PO2. Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **PO3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **PO4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **PO5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **PO6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **PO7. Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **PO8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **PO9. Individual and teamwork:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **PO10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **PO11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **PO12. Life-long learning:** Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



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Lab Objectives

1	To develop scientific understanding of the physics concepts.
2	To develop the ability to explain the processes and applications related to science subjects.
3	To apply skills and knowledge in real life situations.
4	To improve the knowledge about the theory concepts of Physics learned in the class.
5	To improve the knowledge about the theory concepts of Physics learned in the class.
6	To develop understanding about inferring and predicting.

Lab Outcomes

At the end of the laboratory course student will be able to:		Action verb	Bloom's Level
BSL101.1	Determine the wavelength of a laser source using a plane diffraction grating.	Determine	Applying Level 3
BSL101.2	Determine the numerical aperture of a given optical fiber cable.	Determine	Applying Level 3
BSL101.3	Perform experiments based on interference in thin film and determine radius of curvature of lens / diameter of wire / thickness of paper.	Perform	Applying Level 3
BSL101.4	Calculate the magnetic field of the coil by the variation with distance along the axis of a current carrying circular coil.	Calculate	Applying Level 3
BSL101.5	Calculate basic parameters / constants using semiconductors.	Calculate	Applying Level 3
BSL101.6	Determine energy band gap / resistivity of a semiconductor.	Determine	Applying Level 3



Mapping of Experiments with Course Outcomes

Sr. No	Experiment	Course Outcomes					
		BSL101.1	BSL101.2	BSL101.3	BSL101.4	BSL101.5	BSL101.6
1	Determination of the wavelength of a Laser source using plane diffraction grating.	3	-	-	-	-	-
2	Determination of the Numerical Aperture of an optical fibre.	-	3	-	-	-	-
3	Determination of thickness of a paper using wedge shape film method	-		3	-	-	-
4	Study the variation of magnetic field with distance along the axis of a current carrying circular coil	-	-	-	3	-	-
5	Determination of Planck's constant (h) using LED	-	-	-	-	3	-
6	Determination of energy band gap of semiconductor	-	-	-	-	-	3

Enter correlation level 1, 2 or 3 as defined below

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation put “—”.



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Mapping of Course Outcomes with Program Outcomes

LO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
BSL101.1	3	2	2	—	—	—	—	2	2	2	—	2
BSL101.2	3	2	2	—	—	—	—	2	2	2	—	—
BSL101.3	3	1	1	—	—	—	—	2	2	2	—	—
BSL101.4	3	1	2	—	—	—	—	2	2	2	—	—
BSL101.5	3	1	2	—	—	—	—	2	2	2	—	—
BSL101.6	3	2	2	—	—	—	—	2	2	2	—	—
Project	3	3	2	1	3	3	3	2	2	2	—	2
Avg.	3.00	1.71	1.86	0.14	0.43	0.43	0.43	2.00	2.00	2.00	2.00	2.00
Rounded Avg.	3	2	2	1	1	1	1	2	2	2	2	2

Enter correlation level 1, 2 or 3 as defined below

1: Slight (Low)

2: Moderate (Medium)

3: Substantial (High)

If there is no correlation put “—”.



CO-PO Mapping Justification

CO-PO Mapping Justification:

LO	PO	Level of mapping	Justification
BSL101.1	PO1	3	Students will be able to apply the knowledge of laser-based experiment in mechanical engineering fields such as laser cutting, drilling and welding etc. Knowledge of Laser is also used in telecommunication engineering. Hence, it is significantly mapped and marked as level 3.
	PO2	2	Students will be able to analyse problems of LiDAR in the field of telecom engg. Hence, it is moderately mapped and marked as level 2.
	PO3	2	Students will be able to design and develop laser based medical instruments, laser sources for communication system etc. Hence, it is moderately mapped and marked as level 2.
	PO8	2	Students will be able to perform the experiment and complete the journal ethically with punctuality. Hence, it is moderately mapped and marked as level 2.
	PO9	2	Students will be able to perform experiments based on laser individually or in teams. Hence, it is moderately mapped and marked as level 2.
	PO10	2	Students will be able to communicate effectively during the viva voice sessions on the experiment performed; hence, it is moderately mapped and marked as level 2.
	P12	2	Students understand the basic principles and working of a He-Ne Laser through a hands-on activity involving disassembly of the apparatus. This experiential learning, going beyond the syllabus, promotes practical skills and lifelong learning. Hence, it is moderately mapped at level 2.
	PO1	3	Students will be able to apply the knowledge of optical fibre in communication engineering fields like optical fibre channel for signal transmission. Hence, it is significantly mapped and marked as level 3.
	PO2	2	Students will be able to analyze the difference between optical fibre communication and normal wired communication. Hence, it is moderately mapped and marked as level 2.
	PO3	2	Students will be able to design and develop various types of optical fibre communication systems using the knowledge of optical fibre basics. Hence, it is moderately mapped and marked as level 2.
	PO8	2	Students will be able to perform the experiment and complete the journal ethically with punctuality. Hence, it is moderately mapped



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BSL101.2			and marked as level 2.
	PO9	2	Students will be able to perform experiments based on optical fibre individually or in teams. Hence, it is moderately mapped and marked as level 2.
	PO10	2	Students will be able to communicate effectively during the viva voice sessions on the experiment performed; hence, it is moderately mapped and marked as level 2.
BSL101.3	PO1	3	Students will be able to apply the knowledge of interference in thin film in optical engineering after performing the experiments to determine the thickness of a thin paper. Hence, it is significantly mapped and marked as level 3.
	PO2	1	Students will be able to analyze and calculate the thickness of AR coating and some other applications. Hence, it is slightly mapped and marked as level 1.
	PO3	1	The knowledge of interference of light is required in designing and developing various optical devices used in optical instruments such as microscopes and telescopes. Hence, it is slightly mapped and marked as level 1.
	PO8	2	Students will be able to perform the experiment and complete the journal ethically with punctuality. Hence, it is moderately mapped and marked as level 2.
	PO9	2	Students will be able to perform experiments based on interference of thin film individually or in teams. Hence, it is moderately mapped and marked as level 2.
	PO10	2	Students will be able to communicate effectively during the viva voice sessions on the experiment performed; hence, it is moderately mapped and marked as level 2.
BSL101.4	PO1	3	Students will be able to apply the knowledge of electrodynamics in antenna theory of telecommunication engineering branch after performing the experiment of magnetic field variation. Hence, it is significantly mapped and marked as level 3.
	PO2	1	Students will be able to analyze and calculate the thickness of AR coating and some other applications. Hence, it is slightly mapped and marked as level 1.
	PO3	2	The knowledge of electrodynamics required in design and operation of antennas, transmission lines. Hence, it is moderately mapped and marked as level 2.
	PO8	2	Students will be able to perform the experiment and complete the journal ethically with punctuality. Hence, it is moderately mapped and marked as level 2.
	PO9	2	Students will be able to perform experiments based on interference



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			of thin film individually or in teams. Hence, it is moderately mapped and marked as level 2.
	PO10	2	Students will be able to communicate effectively during the viva voice sessions on the experiment performed; hence, it is moderately mapped and marked as level 2.
BSL101.5	PO1	3	Students will be able to apply the knowledge of quantum mechanics in various engineering fields after performing the experiment on Planck's constant. Hence, it is significantly mapped and marked as level 3
	PO2	1	Students will be able to analyze problems of quantum computing in the computer engineering branch. Hence, it is slightly mapped and marked as level 1.
	PO3	2	Students will be able to design and develop quantum computers, embedded systems, MRI scanning, etc. Hence, it is moderately mapped and marked as level 2.
	PO8	2	Students will be able to perform the experiment and complete the journal ethically with punctuality. Hence, it is moderately mapped and marked as level 2.
	PO9	2	Students will be able to perform experiments based on quantum mechanics individually or in teams. Hence, it is moderately mapped and marked as level 2.
	PO10	2	Students will be able to communicate effectively during the viva voice sessions on the experiment performed; hence, it is moderately mapped and marked as level 2.

LO	PO	Level of mapping	Justification
BSL101.6	PO1	3	Students will be able to apply the knowledge of semiconductors in various branches of engineering after performing experiments to determine the Energy band gap. Hence, it is significantly mapped and marked as level 3.
	PO2	2	Students will be able to analyse semiconductor-based ICs in electronics and electronics & telecommunication engineering. Hence, it is moderately mapped and marked as level 2.
	PO3	2	Students will be able to design and develop some Large Scale (LS) and Very Large-Scale ICs (VLSI). Hence, it is moderately mapped and marked as level 2.
	PO8	2	Students will be able to perform the experiment and complete the journal ethically with punctuality. Hence, it is moderately mapped and marked as level 2.



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	PO9	2	Students will be able to perform experiments based on semiconductor devices individually or in teams. Hence, it is moderately mapped and marked as level 2.
	PO10	2	Students will be able to communicate effectively during the viva voice sessions on the experiment performed; hence, it is moderately mapped and marked as level 2.

LO	PO	Level of mapping	Justification
Project	PO1	3	Students apply core concepts of physics and engineering fundamentals to complete their project work, showing a strong understanding of measurement and sensor principles. Hence, it is significantly mapped and marked as level 3.
	PO2	3	While executing the project, students identify, define, and analyze problems related to real-world applications, thereby developing analytical thinking. Hence, it is significantly mapped and marked as level 3.
	PO3	2	Projects may include a basic investigation or performance analysis of certain devices or systems, though at a limited level. Hence, it is slightly mapped and marked as level 1.
	PO4	1	Project topics often relate to societal needs (e.g., health monitoring sensors or smart technology), helping students understand the societal impact of engineering. Hence, it is substantially mapped and marked as level 3.
	PO5	3	Some project themes involve sustainable practices or technologies (e.g., energy-efficient sensors), encouraging awareness of environmental issues. Hence, it is substantially mapped and marked as level 3.
	PO6	3	Project topics often relate to societal needs (e.g., health monitoring sensors or smart technology), helping students understand the societal impact of engineering. Hence, it is substantially mapped and marked as level 3.
	PO7	3	Some project themes involve sustainable practices or technologies (e.g., energy-efficient sensors), encouraging awareness of environmental issues. Hence, it is substantially mapped and marked as level 3.
	PO8	2	Students complete and submit their project work with integrity and follow ethical guidelines during project work, including originality, punctual submission, and appropriate referencing. Hence, it is moderately mapped and marked as level 2.



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	PO9	2	Students learn the importance of teamwork by collaborating with peers during project execution, sharing responsibilities, and contributing effectively as a team member. Hence, it is moderately mapped and marked as level 2.
	PO10	2	Students communicate their project outcomes through reports and presentations, enhancing both written and oral communication skills. Hence, it is moderately mapped marked as level 2.
	PO12	2	During the project, students explore new topics, technologies, and develop self-learning skills beyond the classroom. Hence, it is moderately mapped and marked as level 2.



Attainment Tools

In Semester evaluation:

1	Experiments	√
2	Quizzes	√
3	Assignments	
4	Seminars	
5	Course Projects	
6	Tutorials	
7	Mini projects / Survey/ Case-study	√
8	Term work	√
9	Course Exit survey	√

End Semester evaluation:

1	End Semester exam	
2	Practical / Oral Exam	



Performance Indicators for assessing Course Outcomes with Experiment Assessment Tool:

Performance Indicator	Exceed Expectations (EE)	Meet Expectations (ME)	Below Expectations (BE)
Performance (03 marks)	<i>The entire experiment was performed within the assigned time with full attention. (03)</i>	<i>The entire experiment was executed on the deadline with less attention (02)</i>	<i>The entire experiment was performed beyond the assigned time. (01)</i>
Readings, Calculations & Graphs (03 marks)	<i>All the readings taken are in the range. All figures & Graphs are correctly drawn & Calculations are done accurately (03)</i>	<i>All the readings taken are not in the range. All figures & Graphs are correctly drawn but some important features are missing & Calculations are done incorrectly (02)</i>	<i>All the readings are beyond range. All figures & Graphs are poorly drawn & Calculations are done incorrectly (01)</i>
Understanding (02 marks)	<i>Complete understanding of the aim of the experiment and the basic concepts (02)</i>	<i>Incomplete understanding of the aim of the experiment and the basic concepts (01)</i>	<i>Very less understanding of the aim of the experiment and the basic concepts (0.5)</i>
Timely submission (02 marks)	<i>Very neat and complete write-ups submitted on the assigned day. (02)</i>	<i>Write-ups submitted late by 2-4 day (01)</i>	<i>Write-ups submitted late by 4-6 day (0.5)</i>



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Attendance Record



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Continuous assessment sheets

Target for CO attainment levels:

CO	Previous year Target level	Is the CO attained in the previous year? (Y/N)	Calculated Target	Is target reached 2.8?	Revised target
BSL101.1			1.8	N	1.8
BSL101.2			1.8	N	1.8
BSL101.3			1.8	N	1.8
BSL101.4			1.8	N	1.8
BSL101.5			1.8	N	1.8
BSL101.6			1.8	N	1.8

Qualifier level for CO (%)

External Assessment	University Exam	65
	Oral / Practical	65
Internal Assessment	Quizzes, Assignments, Experiments, course project, seminar etc.	75
	Course Exit Survey	75

Score for Target Attainment Levels

	1	2	3
Uni. Exam	< 60%	$\geq 60\%$ and < 70%	$\geq 70\%$
Oral/ Pract	< 65%	$\geq 65\%$ and < 75%	$\geq 75\%$
In Sem evaluation	< 70%	$\geq 70\%$ and < 80%	$\geq 80\%$
Course Exit	< 75%	$\geq 75\%$ and < 85%	$\geq 85\%$

The minimum Qualifier Level is for university exam is 60%

1. If <60% students get more than 60% marks, then the score for the attainment will be 1.



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2. If $\geq 60\%$ and $< 70\%$ students get more than 60% marks, then attainment will be 2.
3. If $\geq 70\%$ students get more than 60% marks, then the attainment will be 3

Roll No	Name of The Students	Experiments Marks					
		E1	E2	E3	E4	E5	E6
		BSL101.1	BSL101.2	BSL101.3	BSL101.4	BSL101.5	BSL101.6
1	ABHIJEET HALDAR	8	8	9	8	9	8
2	ABHISHEK YOGESH JAMBHALE	8	8	8	9	8	8
3	ADITYA SUNIL KUMBHAR	7	7	7	7	7	7
4	AMBADE DIXIT NAMDEO	9	9	9	9	9	9
5	AMBAVALE ADITI ARVIND	9	9	9	9	9	9
6	AMRITA MOHAN	9	9	9	9	9	9
7	ANJARLEKAR PRATHMESH HARISHCHANDRA	9	9	9	9	9	9
8	ANUJA SUBASH	9	9	9	9	9	9
9	BADGUJAR PRANJAL CHANDRASHEKHAR	8	8	8	8	8	8
10	BADHE TANVI NAMDEO	9	9	9	9	9	9
11	BANDEKAR PARTH SUDHAKAR	8	9	8	9	9	8
12	BARHATE KOMAL PANKAJ	8	9	8	8	8	8
13	BHAGIRATH NILAKSHI MANOHAR	8	8	9	9	8	8
14	BHANDAKKAR AJINKYA BHARAT	9	8	8	9	8	8
15	BHANDARY PRAJWALA VIJAY	9	9	8	8	8	8
16	BHATI MANISH SURESH	8	8	9	8	9	8
17	BHAVSAR MAITRI CHANDRAKANT	9	9	9	9	9	9
18	BHAVSAR NAMAN ATULKUMAR	9	8	8	8	8	8
19	BHIRUD YASH MINESH	7	7	7	7	7	7
20	BHORI RIDDHI ANIL	8	9	8	9	8	8
21	BHUYAL CHETAN NARESH	8	8	8	8	8	8
22	BODKE OMKAR PANDHARINATH	8	8	9	8	8	9
23	CHANDALIYA PRIYANSH PARAMVEER	7	7	7	7	9	8
24	CHATTERJEE ANIK TARUN	8	8	8	9	8	9
25	CHAUDHARI AAYUSHI BHUPENDRA	9	9	9	9	9	9
26	CHAUDHARI ADITYA VIJAY	8	8	8	8	8	8
27	CHAUDHARY UMAIR AHMAD MOHD HUSSAIN	9	9	9	9	9	9



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28	CHAUHAN ALOK AWADHESH	8	8	8	8	8	8
29	CHAUHAN HARSHIT SHANKARLAL	9	8	9	8	8	8
30	CHAUHAN MONI RAJKUMAR	8	8	8	8	8	8
31	CHAVAN ARYAN KAMALAKAR	9	8	9	9	9	8
32	CHINCHOLE SHRIKANT JALBA	9	8	8	8	9	8
33	CHORGHE VIDHI AJAY	9	9	9	9	9	9
34	CHOUDHARY SONAL BHANARAM	9	9	10	9	10	9
35	DALVI MANISH SUNIL	8	9	8	9	8	9
36	DAWANE RUTUJA PREMDAS	9	9	9	9	9	9
37	DESALE SUHANI SUHAS	9	8	8	8	8	8
38	DHUMAL ALISHA AMAR	8	9	8	8	8	8
39	GALANDE TEJAS POPAT	9	8	9	8	8	9
40	GAONKAR PURVA PANDURANG	9	8	9	8	8	8
41	GARJE TUSHAR SUNIL	10	10	10	10	9	9
42	GAWADE GAYATRI RAMKRISHNA	9	9	9	9	9	9
43	GHARAT PIYUSH BHARAT	7	7	7	7	7	7
44	GHUGARE AYUSH MARUTI	8	8	9	8	9	8
45	GHUGE ATIKSH SANDEEP	9	9	9	9	9	9
46	GOHIL JAINEEL MAHESH	7	8	7	7	7	7
47	GULBHILE MADHURI MAHADEV	7	7	7	7	7	7
48	GUPTA AARYA OMPRAKASH	9	9	9	9	9	9
49	GUPTA AMISHA SUNIL	7	7	7	7	7	7
50	GUPTA RAJ RAMPYARE	9	9	9	9	9	9
51	HARDULE PRANAY DILIRAM	8	8	8	8	8	8
52	HARIJAN AKLESH KAMLESH	7	7	7	7	7	7
53	HONSHETTE SAMBHAJI SHIVANAND	7	7	9	7	7	7
54	JABAR TANMAY ANKUSH	9	8	9	8	8	8
55	JADHAV ATHARVA PRASHANT	9	9	9	9	9	9
56	JADHAV SANSKAR MAHESH	8	9	8	8	8	8
57	JAGTAP SAMYAK SANDEEP	8	8	8	8	8	8
58	JAI DNYANESHWAR KALE	8	7	8	7	7	7
59	JAIN JAINAM DEEPAK	7	7	7	7	7	7
60	JALGAONKAR AAKANSHA PRADEEP	9	9	9	9	9	9
61	JAMDADE SAIRAJ SURESH	9	9	9	9	9	9



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62	JOSHI KRISHNA CHETAN	10	9	9	9	9	10
63	KADAM MANSI SURESH	8	8	8	8	8	8
64	KADAM PRATIKA GANESH	8	8	8	8	8	8
65	KADUKAR SIDDHESH SURAJ	9	9	9	9	9	9
66	KAJOLI SHUBHAM GURUDAS	8	9	9	9	8	9
67	KAKADE HARSH VINAY	7	7	7	7	7	7
68	KAMBLE ANSH SURESH	9	9	9	9	9	9
69	KAMBLE HARSH DEEPAK	9	8	8	8	8	9
70	KAMBLE PRABODH BALAJI	9	8	8	8	8	9
71	KAMBLE RUSHIKESH RAVINDRA	9	9	9	9	9	9
72	KAMBLE SRUSHTI AKASH	9	9	9	9	9	9
73	KAPSE TANMAY SANTOSH	9	9	9	9	9	9
74	KARALKAR DIPESH MAHESH	9	8	8	9	8	8
75	KATE ARYAN NITIN	9	9	9	9	9	9
76	KEVADIYA MEET NARSHIBHAI	7	7	7	7	7	7
77	KHAN MOHD TAHA MOHD ZUBER	8	9	8	9	8	8
78	KHAN PARVEZ LUKMAN GANI	9	9	9	9	9	9
79	KHANOLKAR ROHIT KOMAL	9	9	9	9	9	9
80	KONDUSKAR SANSKRUTI DASHRATH	7	7	7	7	7	7
81	KORDE SANKET VITHOBA	7	8	8	7	7	7
82	KULKARNI DIVIT ASHISH	9	9	10	9	9	10
83	KUMARE VED RAVINDRA	8	9	8	9	8	8
84	KURMI ARYAN SUBHASH	7	7	7	7	7	7
85	KUSHWAHA PRATIKSHA ANIL	9	9	9	9	9	9
86	KUTE YASH DASHRATH	8	9	8	8	9	9
87	KUVAR ARYAN PRAFULLA	9	9	9	9	9	9
88	LAD MADHURA PRASHIL	8	8	8	8	8	9
89	LOHAR SRUSHTI KIRAN	9	8	8	9	9	7
90	LOKARE SWAYAM MANGESH	9	9	9	9	9	9
91	MAHADIK AAYUSH BHAGWAN	8	7	7	8	8	7
92	MAHADIK MALATI SANTOSH	8	7	7	7	7	7
93	MAHAJAN NIHARIKA MUKUNDA	8	8	8	8	8	8
94	MAHALE UDAY RAMAN	9	9	9	9	9	9
95	MAKWANA YASH PIYUSH	8	8	9	9	0	8
96	MALAVADE TANISH SANDEEP	9	9	9	9	9	9
97	MANE ASAWARI ANIL	0	0	0	9	9	9
98	MANE DEEPAK VISHWAS	8	9	8	8	8	9
99	MANUSHREE MISTY	9	9	9	9	9	9
100	MEHTA MEET HITESH	7	8	7	8	7	7
101	MESTA MANTHAN HARESH	8	8	8	8	8	8



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102	MHASKAR VEDANT VISHNU	7	7	7	7	7	7
103	MISHRA SHWETA ARVIND	9	9	9	9	9	9
104	MOHAMMAD SHUJA SYED ZIYARAT HUSAIN	8	8	8	7	8	7
105	MOHITE ANUSHKA VIKAS	9	9	9	9	9	9
106	MORE SANJANA SHIVAJI	8	8	8	8	9	9
107	MORE SHUBHAM DEEPAK	7	7	7	7	7	7
108	NAGRE PRATHMESH UTTAM	9	9	9	9	9	9
109	NAIK BHARGAV SUNIL	0	5	9	9	9	9
110	NAIK MANTHAN ARVIND	8	8	9	8	9	8
111	NAIK MEET NINAD	9	9	9	9	9	9
112	NAIK VEDANT SANDEEP	7	8	7	9	7	8
113	NALANG PARTH RAMCHANDRA	7	7	7	8	8	7
114	NANDI MANNAT AMOL	9	9	9	9	9	9
115	NARE ADITYA MUKESH	8	8	7	8	8	9
116	NIKUMBHE CHINMAY RAJU	9	9	9	9	9	9
117	NIVATE HARSHAL NARAYAN	9	9	9	9	9	9
118	PALI WAL PARTH JEETENDRA	0	0	0	9	9	9
119	PANCHAL PREM LAXMIKUMAR	9	9	9	9	9	9
120	PANDEY KARAN SANJAY	7	7	9	8	9	8
121	PANERIA VIHAAN MANOJ	7	7	7	7	7	7
122	PANVALKAR VALLARI RAVIKIRAN	9	9	9	9	9	9
123	PARAB SANIYA LAXMAN	9	9	9	9	9	9
124	PASWAN ANKIT SHANKAR	9	9	9	0	9	9
125	PATADIA OM RUPAL	9	9	9	9	9	9
126	PATEL ASHISH RAMESH	9	9	9	9	9	9
127	PATEL HETVI PIYUSH	8	8	7	7	7	7
128	PATEL MOKSH DAXESH	7	8	7	8	7	7
129	PATEL YASHIKA SUNIL	8	9	7	7	7	7
130	PATIL AAKANSHA ANKUSH	7	8	7	8	8	7
131	PATIL DHANASHREE LILADHAR	9	9	9	0	9	9
132	PATIL JAY VIJAY	7	7	8	7	8	7
133	PATIL KARAN PANKAJ	7	7	8	7	8	7
134	PATIL KHUSHAL SANTOSH	7	7	8	7	7	7
135	PETHKAR OM	7	7	9	7	7	9
136	BHASKER SANIL YASH	10	10	10	10	10	10
137	DEDHIA YASH	10	10	10	0	0	10
138	DESAI GAURI SANTOSH	10	10	10	10	10	10
139	KANOJIYA OM SURYABHAN	10	10	10	10	10	10
140	KARPE SAHIL VIKAS	10	10	10	10	10	10
141	LAKHANI PARV SANJAY KUMAR	10	10	10	10	10	10
142	MORE SWANIK NILESH	10	10	0	0	0	10



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143	PATIL LUV ASHOK	10	10	0	0	0	10
144	PATIL MANASVI RATNAKAR	10	10	10	10	10	10
145	PATIL PRANJAL MAHENDRA	10	10	10	10	10	10
146	PATIL SANDHVI KANTI	10	10	10	10	10	10
147	PATIL SHWETA ASHOK	10	10	10	10	10	10
148	PATIL SUPRIYA SANTOSH	10	10	10	10	10	10
149	PATIL SWARAJ RAJENDRA	10	10	10	0	0	10
150	PAWAR SHUBHAM SUNIL	10	10	10	10	10	10
151	PAWAR SWARAJ RAJENDRA	10	10	10	0	10	10
152	PENDHARKAR YASH DEEPAK	10	10	10	10	10	10
153	PINJARI REHAN LATIF	0	10	10	10	10	10
154	POOJARY SINCHANA GOPAL	10	10	10	10	10	10
155	PRAJAPATI SUMIT PRATAP	10	10	10	10	10	10
156	RAJAK AADITYA RAVI	10	10	10	10	10	10
157	RANE SAHIL SURESH	10	10	10	10	10	10
158	RATHOD RAHUL BALIRAM	10	10	10	10	10	10
159	RATNE ROHAN GANESH	7	10	0	10	10	10
160	RAUT ALISHA SHEKHAR	5	5	5	5	5	5
161	RAUT MAYANK ANKUSH	7	10	10	10	10	10
162	RAUT RUDRA RAKESH	10	10	10	10	10	10
163	RAUT SOHAM KIRTIKUMAR	10	10	10	10	10	10
164	RAVALE PRATIK RANGNATH	10	10	10	10	10	10
165	SALGAONKAR DAKSHATA CHANDRAKANT	10	10	10	10	10	10
166	SALUNKHE SANSKAR VIRENDRA	0	10	10	10	10	10
167	SAWANT ESHA MAHESH	7	10	10	10	10	10
168	SAWANT MAITHILI NILESH	10	10	10	10	10	10
169	SAWANT RISHIKESH KISHOR	10	10	10	10	10	10
170	SAWANT SAMAR SANTOSH	10	10	10	10	10	10
171	SAWANT SHREYA AMIT	10	10	10	10	10	10
172	SAWANT SUMRITA SUKHADEO	10	10	10	10	10	10
173	SENTA VISHAL VIJAYBHAI	10	10	10	10	8	8
174	SHAH AAYUSH RAJKUMAR	10	10	10	0	7	7
175	SHAIKH RIYAAN AKEELAHMED	10	10	10	10	10	10
176	SHARMA RAJ BABLU	10	10	10	10	10	10
177	SHAW PRALAYANKAR SHEOPRASAD	7	10	10	10	10	10
178	SHETTIGAR TEJAS SATHISH	7	10	10	10	10	10
179	SHETTY PRANISH HARISH	10	0	10	10	10	10
180	SINGH ANTARIKSH ARJUN	10	0	10	10	10	10
181	SINGH ARYAN SURYAPRAKASH	10	10	10	10	10	10
182	SINGH RISHU MANOJ	10	10	10	10	10	10
183	SINGH SHUBHANSHU ARVIND	10	10	10	10	10	10



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	KUMAR						
184	SONDIGALA HARSH RAJUBHAI	10	10	10	10	10	10
185	TALEKAR JAY CHANDRASEN	10	10	10	10	10	10
186	TALIKOTE SANSKARDEEP BALAJI	10	0	10	10	10	10
187	TAYADE SOHAM RAJENDRA	10	10	10	10	10	10
188	THAKUR SANIKA AVINASH	10	10	10	10	10	10
189	THAKUR URVI VIVEK	10	10	10	10	10	10
190	THOSAR SHLOK ABHIJIT	10	10	10	10	10	10
191	TIWARI CHANDAN VIJAY	10	0	10	10	10	10
192	TIWARI MAHEK TRIPURARI	10	10	10	10	10	10
193	VAIDYA PARTH NILESH	10	10	10	10	10	10
194	VAITY RUGVED NILESH	10	10	10	10	10	10
195	VANARASE PARAS KAMLESH	10	10	10	10	10	10
196	VARAK PRAFUL BABYA	10	10	10	10	10	10
197	VARIA NAMAN VIMAL	10	10	10	10	10	10
198	VAZE NEHALI NITIN	10	10	10	10	10	10
199	VICHARE KAVYA MAHESH	10	0	10	10	10	10
200	VISHWAKARMA SUMIT KANHAIYALAL	7	10	10	10	10	10
201	WAKPAIJAN SANIA PRASHANT	10	10	10	10	10	10
202	YADAV DEEPAKKUMAR AWADHRAJ	10	10	10	10	10	10
203	YADAV KRISHNA ANIL	10	10	7	10	10	10
204	YADAV PRITI RAJU	10	10	10	10	10	10

Summary

Total No. of Students	204					
Total Present	204	204	204	204	204	204
Qualifier Level (%)	64	64	64	64	64	64
Total Marks	10	10	10	10	10	10
Qualifier Level in terms of marks	6.4	6.4	6.4	6.4	6.4	6.4
No. of Students above Qualifier Level	198	195	198	195	198	203
% No. of Students above Qualifier Level	97.06	95.59	97.06	95.59	97.06	99.51
Attainment level	3	3	3	3	3	3



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In Semester Evaluation (Quizzes and Assignments Marks)

Roll No	Name of the student	Quizzes					
		Q1	Q2	Q3	Q4	Q5	Q6
		BSL101.1	BSL101.2	BSL101.3	BSL101.4	BSL101.5	BSL101.6
1	ABHIJEET HALDAR	9	6	8	9	9	7
2	ABHISHEK YOGESH JAMBHALE	9	9	8	9	9	5
3	ADITYA SUNIL KUMBHAR	9	5	9	8	5	9
4	AMBADE DIXIT NAMDEO	9	9	9	9	9	9
5	AMBAVALE ADITI ARVIND	9	9	5	5	9	9
6	AMRITA MOHAN	9	9	9	9	9	9
7	ANJARLEKAR PRATHMESH HARISHCHANDRA	7	9	5	8	9	9
8	ANUJA SUBASH	10	10	10	10	10	10
9	BADGUJAR PRANJAL CHANDRASHEKHAR	9	6	8	9	9	7
10	BADHE TANVI NAMDEO	9	9	8	9	9	5
11	BANDEKAR PARTH SUDHAKAR	9	5	9	8	5	9
12	BARHATE KOMAL PANKAJ	9	9	9	9	9	9
13	BHAGIRATH NILAKSHI MANOHAR	9	9	5	5	9	9
14	BHANDAKKAR AJINKYA BHARAT	9	9	9	9	9	9
15	BHANDARY PRAJWALA VIJAY	7	9	5	8	9	9
16	BHATI MANISH SURESH	10	10	10	10	10	10
17	BHAVSAR MAITRI CHANDRAKANT	9	6	8	9	9	7
18	BHAVSAR NAMAN ATULKUMAR	9	9	8	9	9	5
19	BHIRUD YASH MINESH	9	5	9	8	5	9
20	BHORI RIDDHI ANIL	9	9	9	9	9	9
21	BHUYAL CHETAN NARESH	9	9	5	5	9	9
22	BODKE OMKAR PANDHARINATH	9	9	9	9	9	9
23	CHANDALIYA PRIYANSH PARAMVEER	7	9	5	8	9	9
24	CHATTERJEE ANIK TARUN	10	10	10	10	10	10
25	CHAUDHARI AAYUSHI BHUPENDRA	9	6	8	9	9	7
26	CHAUDHARI ADITYA VIJAY	9	9	8	9	9	5
27	CHAUDHARY UMAIR AHMAD MOHD HUSSAIN	9	5	9	8	5	9
28	CHAUHAN ALOK AWADHESH	9	9	9	9	9	9
29	CHAUHAN HARSHIT SHANKARLAL	9	9	5	5	9	9



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30	CHAUHAN MONI RAJKUMAR	9	9	9	9	9	9
31	CHAVAN ARYAN KAMALAKAR	7	9	5	8	9	9
32	CHINCHOLE SHRIKANT JALBA	10	10	10	10	10	10
33	CHORGHE VIDHI AJAY	9	6	8	9	9	7
34	CHOUDHARY SONAL BHANARAM	9	9	8	9	9	5
35	DALVI MANISH SUNIL	9	5	9	8	5	9
36	DAWANE RUTUJA PREMDAS	9	9	9	9	9	9
37	DESALE SUHANI SUHAS	9	9	5	5	9	9
38	DHUMAL ALISHA AMAR	9	9	9	9	9	9
39	GALANDE TEJAS POPAT	7	9	5	8	9	9
40	GAONKAR PURVA PANDURANG	10	10	10	10	10	10
41	GARJE TUSHAR SUNIL	9	6	8	9	9	7
42	GAWADE GAYATRI RAMKRISHNA	9	9	8	9	9	5
43	GHARAT PIYUSH BHARAT	9	5	9	8	5	9
44	GHUGARE AYUSH MARUTI	9	9	9	9	9	9
45	GHUGE ATIKSH SANDEEP	9	9	5	5	9	9
46	GOHIL JAINEEL MAHESH	9	9	9	9	9	9
47	GULBHILE MADHURI MAHADEV	7	9	5	8	9	9
48	GUPTA AARYA OMPRAKASH	10	10	10	10	10	10
49	GUPTA AMISHA SUNIL	9	6	8	9	9	7
50	GUPTA RAJ RAMPYARE	9	9	8	9	9	5
51	HARDULE PRANAY DILIRAM	9	5	9	8	5	9
52	HARIJAN AKLESH KAMLESH	9	9	9	9	9	9
53	HONSHETTE SAMBHAJI SHIVANAND	9	9	5	5	9	9
54	JABAR TANMAY ANKUSH	9	9	9	9	9	9
55	JADHAV ATHARVA PRASHANT	7	9	5	8	9	9
56	JADHAV SANSKAR MAHESH	10	10	10	10	10	10
57	JAGTAP SAMYAK SANDEEP	9	6	8	9	9	7
58	JAI DNYANESHWAR KALE	9	9	8	9	9	5
59	JAIN JAINAM DEEPAK	9	5	9	8	5	9
60	JALGAONKAR AAKANSHA PRADEEP	9	9	9	9	9	9
61	JAMDADE SAIRAJ SURESH	9	9	5	5	9	9
62	JOSHI KRISHNA CHETAN	9	9	9	9	9	9
63	KADAM MANSI SURESH	7	9	5	8	9	9
64	KADAM PRATIKA GANESH	10	10	10	10	10	10
65	KADUKAR SIDDHESH SURAJ	9	6	8	9	9	7
66	KAJOLI SHUBHAM GURUDAS	9	9	8	9	9	5
67	KAKADE HARSH VINAY	9	5	9	8	5	9
68	KAMBLE ANSH SURESH	9	9	9	9	9	9



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69	KAMBLE HARSH DEEPAK	9	9	5	5	9	9
70	KAMBLE PRABODH BALAJI	9	9	9	9	9	9
71	KAMBLE RUSHIKESH RAVINDRA	7	9	5	8	9	9
72	KAMBLE SRUSHTI AKASH	10	10	10	10	10	10
73	KAPSE TANMAY SANTOSH	9	6	8	9	9	7
74	KARALKAR DIPESH MAHESH	9	9	8	9	9	5
75	KATE ARYAN NITIN	9	5	9	8	5	9
76	KEVADIYA MEET NARSHIBHAI	9	9	9	9	9	9
77	KHAN MOHD TAHA MOHD ZUBER	9	9	5	5	9	9
78	KHAN PARVEZ LUKMAN GANI	9	9	9	9	9	9
79	KHANOLKAR ROHIT KOMAL	7	9	5	8	9	9
80	KONDUSKAR SANSKRUTI DASHRATH	10	10	10	10	10	10
81	KORDE SANKET VITHOBA	9	6	8	9	9	7
82	KULKARNI DIVIT ASHISH	9	9	8	9	9	5
83	KUMARE VED RAVINDRA	9	5	9	8	5	9
84	KURMI ARYAN SUBHASH	9	9	9	9	9	9
85	KUSHWAHA PRATIKSHA ANIL	9	9	5	5	9	9
86	KUTE YASH DASHRATH	9	9	9	9	9	9
87	KUVAR ARYAN PRAFULLA	7	9	5	8	9	9
88	LAD MADHURA PRASHIL	10	10	10	10	10	10
89	LOHAR SRUSHTI KIRAN	9	6	8	9	9	7
90	LOKARE SWAYAM MANGESH	9	9	8	9	9	5
91	MAHADIK AAYUSH BHAGWAN	9	5	9	8	5	9
92	MAHADIK MALATI SANTOSH	9	9	9	9	9	9
93	MAHAJAN NIHARIKA MUKUNDA	9	9	5	5	9	9
94	MAHALE UDAY RAMAN	9	9	9	9	9	9
95	MAKWANA YASH PIYUSH	7	9	5	8	9	9
96	MALAVADE TANISH SANDEEP	10	10	10	10	10	10
97	MANE ASAWARI ANIL	9	6	8	9	9	7
98	MANE DEEPAK VISHWAS	9	9	8	9	9	5
99	MANUSHREE MISTY	9	5	9	8	5	9
100	MEHTA MEET HITESH	9	9	9	9	9	9
101	MESTA MANTHAN HARESH	9	9	5	5	9	9
102	MHASKAR VEDANT VISHNU	9	9	9	9	9	9
103	MISHRA SHWETA ARVIND	7	9	5	8	9	9
104	MOHAMMAD SHUJA SYED ZIYARAT HUSAIN	10	10	10	10	10	10
105	MOHITE ANUSHKA VIKAS	9	6	8	9	9	7
106	MORE SANJANA SHIVAJI	9	9	8	9	9	5
107	MORE SHUBHAM DEEPAK	9	5	9	8	5	9



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108	NAGRE PRATHMESH UTTAM	9	9	9	9	9	9
109	NAIK BHARGAV SUNIL	9	9	5	5	9	9
110	NAIK MANTHAN ARVIND	9	9	9	9	9	9
111	NAIK MEET NINAD	7	9	5	8	9	9
112	NAIK VEDANT SANDEEP	10	10	10	10	10	10
113	NALANG PARTH RAMCHANDRA	9	6	8	9	9	7
114	NANDI MANNAT AMOL	9	9	8	9	9	5
115	NARE ADITYA MUKESH	9	5	9	8	5	9
116	NIKUMBHE CHINMAY RAJU	9	9	9	9	9	9
117	NIVATE HARSHAL NARAYAN	9	9	5	5	9	9
118	PALI WAL PARTH JEETENDRA	9	9	9	9	9	9
119	PANCHAL PREM LAXMIKUMAR	7	9	5	8	9	9
120	PANDEY KARAN SANJAY	10	10	10	10	10	10
121	PANERIA VIHAAN MANOJ	9	6	8	9	9	7
122	PANVALKAR VALLARI RAVIKIRAN	9	9	8	9	9	5
123	PARAB SANIYA LAXMAN	9	5	9	8	5	9
124	PASWAN ANKIT SHANKAR	9	9	9	9	9	9
125	PATADIA OM RUPAL	9	9	5	5	9	9
126	PATEL ASHISH RAMESH	9	9	9	9	9	9
127	PATEL HETVI PIYUSH	7	9	5	8	9	9
128	PATEL MOKSH DAXESH	10	10	10	10	10	10
129	PATEL YASHIKA SUNIL	9	6	8	9	9	7
130	PATIL AAKANSHA ANKUSH	9	9	8	9	9	5
131	PATIL DHANASHREE LILADHAR	9	5	9	8	5	9
132	PATIL JAY VIJAY	9	9	9	9	9	9
133	PATIL KARAN PANKAJ	9	9	5	5	9	9
134	PATIL KHUSHAL SANTOSH	9	9	9	9	9	9
135	PETHKAR OM	7	9	5	8	9	9
136	BHASKER SANIL YASH	10	10	10	10	10	10
137	DEDHIA YASH	9	6	8	9	9	7
138	DESAI GAURI SANTOSH	9	9	8	9	9	5
139	KANOJIYA OM SURYABHAN	9	5	9	8	5	9
140	KARPE SAHIL VIKAS	9	9	9	9	9	9
141	LAKHANI PARV SANJAY KUMAR	9	9	5	5	9	9
142	MORE SWANIK NILESH	9	9	9	9	9	9
143	PATIL LUV ASHOK	7	9	5	8	9	9
144	PATIL MANASVI RATNAKAR	10	10	10	10	10	10
145	PATIL PRANJAL MAHENDRA	9	6	8	9	9	7
146	PATIL SANDHVI KANTI	9	9	8	9	9	5
147	PATIL SHWETA ASHOK	9	5	9	8	5	9
148	PATIL SUPRIYA SANTOSH	9	9	9	9	9	9



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149	PATIL SWARAJ RAJENDRA	9	9	5	5	9	9
150	PAWAR SHUBHAM SUNIL	9	9	9	9	9	9
151	PAWAR SWARAJ RAJENDRA	7	9	5	8	9	9
152	PENDHARKAR YASH DEEPAK	10	10	10	10	10	10
153	PINJARI REHAN LATIF	9	6	8	9	9	7
154	POOJARY SINCHANA GOPAL	9	9	8	9	9	5
155	PRAJAPATI SUMIT PRATAP	9	5	9	8	5	9
156	RAJAK AADITYA RAVI	9	9	9	9	9	9
157	RANE SAHIL SURESH	9	9	5	5	9	9
158	RATHOD RAHUL BALIRAM	9	9	9	9	9	9
159	RATNE ROHAN GANESH	7	9	5	8	9	9
160	RAUT ALISHA SHEKHAR	10	10	10	10	10	10
161	RAUT MAYANK ANKUSH	9	6	8	9	9	7
162	RAUT RUDRA RAKESH	9	9	8	9	9	5
163	RAUT SOHAM KIRTIKUMAR	9	5	9	8	5	9
164	RAVALE PRATIK RANGNATH	9	9	9	9	9	9
165	SALGAONKAR DAKSHATA CHANDRAKANT	9	9	5	5	9	9
166	SALUNKHE SANSKAR VIRENDRA	9	9	9	9	9	9
167	SAWANT ESHA MAHESH	7	9	5	8	9	9
168	SAWANT MAITHILI NILESH	10	10	10	10	10	10
169	SAWANT RISHIKESH KISHOR	9	6	8	9	9	7
170	SAWANT SAMAR SANTOSH	9	9	8	9	9	5
171	SAWANT SHREYA AMIT	9	5	9	8	5	9
172	SAWANT SUMRITA SUKHADEO	9	9	9	9	9	9
173	SENTA VISHAL VIJAYBHAI	9	9	5	5	9	9
174	SHAH AAYUSH RAJKUMAR	9	9	9	9	9	9
175	SHAIKH RIYAAN AKEELAHMED	7	9	5	8	9	9
176	SHARMA RAJ BABLU	10	10	10	10	10	10
177	SHAW PRALAYANKAR SHEOPRASAD	9	6	8	9	9	7
178	SHETTIGAR TEJAS SATHISH	9	9	8	9	9	5
179	SHETTY PRANISH HARISH	9	5	9	8	5	9
180	SINGH ANTARIKSH ARJUN	9	9	9	9	9	9
181	SINGH ARYAN SURYAPRAKASH	9	9	5	5	9	9
182	SINGH RISHU MANOJ	9	9	9	9	9	9
183	SINGH SHUBHANSHU ARVIND KUMAR	7	9	5	8	9	9
184	SONDIGALA HARSH RAJUBHAI	10	10	10	10	10	10
185	TALEKAR JAY CHANDRASEN	9	6	8	9	9	7
186	TALIKOTE SANSKARDEEP BALAJI	9	9	8	9	9	5
187	TAYADE SOHAM RAJENDRA	9	5	9	8	5	9



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188	THAKUR SANIKA AVINASH	9	9	9	9	9	9
189	THAKUR URVI VIVEK	9	9	5	5	9	9
190	THOSAR SHLOK ABHIJIT	9	9	9	9	9	9
191	TIWARI CHANDAN VIJAY	7	9	5	8	9	9
192	TIWARI MAHEK TRIPURARI	10	10	10	10	10	10
193	VAIDYA PARTH NILESH	9	6	8	9	9	7
194	VAITY RUGVED NILESH	9	9	8	9	9	5
195	VANARASE PARAS KAMLESH	9	5	9	8	5	9
196	VARAK PRAFUL BABYA	9	9	9	9	9	9
197	VARIA NAMAN VIMAL	9	9	5	5	9	9
198	VAZE NEHALI NITIN	9	9	9	9	9	9
199	VICHARE KAVYA MAHESH	7	9	5	8	9	9
200	VISHWAKARMA SUMIT KANHAIYALAL	10	10	10	10	10	10
201	WAKPAIJAN SANIA PRASHANT	9	6	8	9	9	7
202	YADAV DEEPAKKUMAR AWADHRAJ	9	9	8	9	9	5
203	YADAV KRISHNA ANIL	9	5	9	8	5	9
204	YADAV PRITI RAJU	9	9	9	9	9	9

Summary

Total No. of Students	204					
Total Present	204	204	204	204	204	204
Qualifier Level (%)	64	64	64	64	64	64
Total Marks	10	10	10	10	10	10
Qualifier Level in terms of marks	6.4	6.4	6.4	6.4	6.4	6.4
No. of Students above Qualifier Level	194	184	186	186	185	188
% No. of Students above Qualifier Level	95.10	90.20	91.18	91.18	90.69	92.16
Attainment level	3	3	3	3	3	3



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End Semester Evaluation (Course Exit Survey)

Roll No	Name of the student	(Practical Course Exit Survey)					
		BSL101.1	BSL101.2	BSL101.3	BSL101.4	BSL101.5	BSL101.6
1	ABHIJEET HALDAR	5	5	5	4	5	5
2	ABHISHEK YOGESH JAMBHALE	3	5	5	5	4	4
3	ADITYA SUNIL KUMBHAR	5	5	5	3	5	5
4	AMBADE DIXIT NAMDEO	5	4	3	5	5	3
5	AMBAVALE ADITI ARVIND	4	5	5	4	4	5
6	AMRITA MOHAN	4	4	5	5	5	5
7	ANJARLEKAR PRATHMESH HARISHCHANDRA	5	5	5	4	4	5
8	ANUJA SUBASH	3	5	5	5	3	5
9	BADGUJAR PRANJAL CHANDRASHEKHAR	5	5	5	4	5	5
10	BADHE TANVI NAMDEO	5	5	5	4	5	5
11	BANDEKAR PARTH SUDHAKAR	5	5	4	5	5	5
12	BARHATE KOMAL PANKAJ	4	5	5	5	5	5
13	BHAGIRATH NILAKSHI MANOHAR	5	4	5	5	5	5
14	BHANDAKKAR AJINKYA BHARAT	5	5	5	5	5	5
15	BHANDARY PRAJWALA VIJAY	5	5	4	5	5	3
16	BHATI MANISH SURESH	5	5	5	4	5	4
17	BHAVSAR MAITRI CHANDRAKANT	5	4	5	5	5	5
18	BHAVSAR NAMAN ATULKUMAR	5	5	4	5	5	5
19	BHIRUD YASH MINESH	3	4	5	5	5	4
20	BHORI RIDDHI ANIL	5	5	5	5	3	4
21	BHUYAL CHETAN NARESH	5	3	5	5	5	5
22	BODKE OMKAR PANDHARINATH	5	5	5	3	4	5
23	CHANDALIYA PRIYANSH PARAMVEER	3	5	5	3	5	5
24	CHATTERJEE ANIK TARUN	5	4	5	3	5	5
25	CHAUDHARI AAYUSHI BHUPENDRA	4	5	5	5	5	5
26	CHAUDHARI ADITYA VIJAY	5	5	5	5	3	5
27	CHAUDHARY UMAIR AHMAD MOHD HUSSAIN	5	4	5	5	5	5
28	CHAUHAN ALOK AWADHESH	5	4	5	5	5	5
29	CHAUHAN HARSHIT SHANKARLAL	3	4	5	5	5	4
30	CHAUHAN MONI RAJKUMAR	5	5	5	5	3	4
31	CHAVAN ARYAN KAMALAKAR	5	5	5	4	5	5
32	CHINCHOLE SHRIKANT JALBA	4	5	5	5	3	5
33	CHORGHE VIDHI AJAY	4	5	5	5	5	5
34	CHOUDHARY SONAL BHANARAM	4	5	3	5	5	5
35	DALVI MANISH SUNIL	5	4	5	5	4	4
36	DAWANE RUTUJA PREMDAS	3	3	5	3	3	5



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37	DESALE SUHANI SUHAS	5	4	4	5	5	3
38	DHUMAL ALISHA AMAR	5	5	5	5	5	5
39	GALANDE TEJAS POPAT	5	4	5	5	5	5
40	GAONKAR PURVA PANDURANG	5	4	5	5	3	5
41	GARJE TUSHAR SUNIL	5	4	4	5	3	5
42	GAWADE GAYATRI RAMKRISHNA	4	5	5	3	5	4
43	GHARAT PIYUSH BHARAT	4	5	4	5	5	5
44	GHUGARE AYUSH MARUTI	5	5	5	5	4	4
45	GHUGE ATIKSH SANDEEP	4	5	5	5	4	3
46	GOHIL JAINEEL MAHESH	5	5	5	5	5	5
47	GULBHILE MADHURI MAHADEV	5	5	5	5	5	5
48	GUPTA AARYA OMPRAKASH	4	5	5	4	5	5
49	GUPTA AMISHA SUNIL	5	5	5	5	4	5
50	GUPTA RAJ RAMPYARE	4	3	4	4	5	5
51	HARDULE PRANAY DILIRAM	5	5	5	3	4	5
52	HARIJAN AKLESH KAMLESH	4	3	5	5	5	5
53	HONSHETTE SAMBHAJI SHIVANAND	4	5	4	5	5	5
54	JABAR TANMAY ANKUSH	5	4	5	5	5	5
55	JADHAV ATHARVA PRASHANT	5	5	4	5	4	5
56	JADHAV SANSKAR MAHESH	5	5	4	3	5	3
57	JAGTAP SAMYAK SANDEEP	4	5	5	5	3	5
58	JAI DNYANESHWAR KALE	5	5	4	5	5	5
59	JAIN JAINAM DEEPAK	3	5	5	4	5	5
60	JALGAONKAR AAKANSHA PRADEEP	5	5	5	4	5	4
61	JAMDADE SAIRAJ SURESH	5	5	5	5	5	5
62	JOSHI KRISHNA CHETAN	5	5	5	5	5	4
63	KADAM MANSI SURESH	5	4	4	5	5	5
64	KADAM PRATIKA GANESH	5	5	4	5	5	5
65	KADUKAR SIDDHESH SURAJ	5	4	4	5	5	5
66	KAJOLI SHUBHAM GURUDAS	5	5	5	5	4	4
67	KAKADE HARSH VINAY	5	5	5	5	5	5
68	KAMBLE ANSH SURESH	5	4	5	5	5	5
69	KAMBLE HARSH DEEPAK	3	5	5	4	5	3
70	KAMBLE PRABODH BALAJI	4	4	3	4	3	3
71	KAMBLE RUSHIKESH RAVINDRA	4	5	5	5	4	4
72	KAMBLE SRUSHTI AKASH	5	5	3	5	5	5
73	KAPSE TANMAY SANTOSH	3	5	5	5	5	5
74	KARALKAR DIPESH MAHESH	4	4	5	4	5	3
75	KATE ARYAN NITIN	5	3	5	4	3	3
76	KEVADIYA MEET NARSHIBHAI	4	4	5	4	5	5
77	KHAN MOHD TAHA MOHD ZUBER	5	5	5	5	4	4
78	KHAN PARVEZ LUKMAN GANI	4	5	3	3	5	5
79	KHANOLKAR ROHIT KOMAL	3	4	4	5	5	3



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80	KONDUSKAR SANSKRUTI DASHRATH	4	5	5	4	4	5
81	KORDE SANKET VITHOBA	4	4	5	5	5	5
82	KULKARNI DIVIT ASHISH	5	4	5	4	4	5
83	KUMARE VED RAVINDRA	5	5	5	5	3	5
84	KURMI ARYAN SUBHASH	5	4	5	4	5	5
85	KUSHWAHA PRATIKSHA ANIL	3	5	5	4	5	5
86	KUTE YASH DASHRATH	5	5	5	5	5	5
87	KUVAR ARYAN PRAFULLA	5	4	4	5	5	5
88	LAD MADHURA PRASHIL	5	5	5	5	5	5
89	LOHAR SRUSHTI KIRAN	5	5	4	5	5	5
90	LOKARE SWAYAM MANGESH	5	5	4	5	5	3
91	MAHADIK AAYUSH BHAGWAN	5	5	5	4	5	4
92	MAHADIK MALATI SANTOSH	3	4	3	5	5	5
93	MAHAJAN NIHARIKA MUKUNDA	5	3	4	5	5	5
94	MAHALE UDAY RAMAN	4	5	4	5	5	4
95	MAKWANA YASH PIYUSH	5	4	5	5	3	4
96	MALAVADE TANISH SANDEEP	5	5	5	5	5	5
97	MANE ASAWARI ANIL	5	5	5	3	4	5
98	MANE DEEPAK VISHWAS	4	5	5	3	5	5
99	MANUSHREE MISTY	5	4	5	3	5	5
100	MEHTA MEET HITESH	5	3	5	5	5	5
101	MESTA MANTHAN HARESH	5	5	5	5	3	5
102	MHASKAR VEDANT VISHNU	3	5	4	5	5	5
103	MISHRA SHWETA ARVIND	3	5	5	5	5	5
104	MOHAMMAD SHUJA SYED ZIYARAT HUSAIN	5	4	5	5	5	4
105	MOHITE ANUSHKA VIKAS	5	5	5	5	3	4
106	MORE SANJANA SHIVAJI	5	4	5	4	5	5
107	MORE SHUBHAM DEEPAK	4	5	5	5	3	5
108	NAGRE PRATHMESH UTTAM	5	5	3	5	5	5
109	NAIK BHARGAV SUNIL	3	5	5	5	5	5
110	NAIK MANTHAN ARVIND	4	4	5	5	4	4
111	NAIK MEET NINAD	5	3	5	3	3	5
112	NAIK VEDANT SANDEEP	4	4	5	5	5	3
113	NALANG PARTH RAMCHANDRA	5	5	5	5	5	5
114	NANDI MANNAT AMOL	4	5	3	5	5	5
115	NARE ADITYA MUKESH	3	4	4	5	3	5
116	NIKUMBHE CHINMAY RAJU	4	5	5	5	3	5
117	NIVATE HARSHAL NARAYAN	4	4	5	3	5	4
118	PALIWAL PARTH JEETENDRA	5	4	5	5	5	5
119	PANCHAL PREM LAXMIKUMAR	5	5	5	5	4	4
120	PANDEY KARAN SANJAY	5	4	5	5	4	3
121	PANERIA VIHAAN MANOJ	3	5	5	5	5	5



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122	PANVALKAR VALLARI RAVIKIRAN	5	5	5	5	5	5
123	PARAB SANIYA LAXMAN	5	4	4	4	5	5
124	PASWAN ANKIT SHANKAR	5	5	5	5	4	5
125	PATADIA OM RUPAL	5	5	4	4	5	5
126	PATEL ASHISH RAMESH	5	5	4	3	4	5
127	PATEL HETVI PIYUSH	5	5	5	5	5	5
128	PATEL MOKSH DAXESH	3	4	3	5	5	5
129	PATEL YASHIKA SUNIL	5	3	4	5	5	5
130	PATIL AAKANSHA ANKUSH	4	5	4	5	4	5
131	PATIL DHANASHREE LILADHAR	5	4	5	3	5	3
132	PATIL JAY VIJAY	5	5	5	5	3	5
133	PATIL KARAN PANKAJ	5	5	5	5	5	5
134	PATIL KHUSHAL SANTOSH	4	5	5	4	5	5
135	PETHKAR OM	5	4	5	4	5	4
136	BHASKER SANIL YASH	5	5	5	4	5	5
137	DEDHIA YASH	3	5	5	5	4	4
138	DESAI GAURI SANTOSH	5	5	5	3	5	5
139	KANOJIYA OM SURYABHAN	5	4	3	5	5	3
140	KARPE SAHIL VIKAS	4	5	5	4	4	5
141	LAKHANI PARV SANJAY KUMAR	4	4	5	5	5	5
142	MORE SWANIK NILESH	5	5	5	4	4	5
143	PATIL LUV ASHOK	3	5	5	5	3	5
144	PATIL MANASVI RATNAKAR	5	5	5	4	5	5
145	PATIL PRANJAL MAHENDRA	5	5	5	4	5	5
146	PATIL SANDHVI KANTI	5	5	4	5	5	5
147	PATIL SHWETA ASHOK	4	5	5	5	5	5
148	PATIL SUPRIYA SANTOSH	5	4	5	5	5	5
149	PATIL SWARAJ RAJENDRA	5	5	5	5	5	5
150	PAWAR SHUBHAM SUNIL	5	5	4	5	5	3
151	PAWAR SWARAJ RAJENDRA	5	5	5	4	5	4
152	PENDHARKAR YASH DEEPAK	5	4	5	5	5	5
153	PINJARI REHAN LATIF	5	5	4	5	5	5
154	POOJARY SINCHANA GOPAL	3	4	5	5	5	4
155	PRAJAPATI SUMIT PRATAP	5	5	5	5	3	4
156	RAJAK AADITYA RAVI	5	3	5	5	5	5
157	RANE SAHIL SURESH	5	5	5	3	4	5
158	RATHOD RAHUL BALIRAM	3	5	5	3	5	5
159	RATNE ROHAN GANESH	5	4	5	3	5	5
160	RAUT ALISHA SHEKHAR	4	5	5	5	5	5
161	RAUT MAYANK ANKUSH	5	5	5	5	3	5
162	RAUT RUDRA RAKESH	5	4	5	5	5	5
163	RAUT SOHAM KIRTIKUMAR	5	4	5	5	5	5
164	RAVALE PRATIK RANGNATH	3	4	5	5	5	4



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165	SALGAONKAR DAKSHATA CHANDRAKANT	5	5	5	5	3	4
166	SALUNKHE SANSKAR VIRENDRA	5	5	5	4	5	5
167	SAWANT ESHA MAHESH	4	5	5	5	3	5
168	SAWANT MAITHILI NILESH	4	5	5	5	5	5
169	SAWANT RISHIKESH KISHOR	4	5	3	5	5	5
170	SAWANT SAMAR SANTOSH	5	4	5	5	4	4
171	SAWANT SHREYA AMIT	3	3	5	3	3	5
172	SAWANT SUMRITA SUKHADEO	5	4	4	5	5	3
173	SENTA VISHAL VIJAYBHAI	5	5	5	5	5	5
174	SHAH AAYUSH RAJKUMAR	5	4	5	5	5	5
175	SHAIKH RIYAAN AKEELAHMED	5	4	5	5	3	5
176	SHARMA RAJ BABLU	5	4	4	5	3	5
177	SHAW PRALAYANKAR SHEOPRASAD	4	5	5	3	5	4
178	SHETTIGAR TEJAS SATHISH	4	5	4	5	5	5
179	SHETTY PRANISH HARISH	5	5	5	5	4	4
180	SINGH ANTARIKSH ARJUN	4	5	5	5	4	3
181	SINGH ARYAN SURYAPRAKASH	5	5	5	5	5	5
182	SINGH RISHU MANOJ	5	5	5	5	5	5
183	SINGH SHUBHANSHU ARVIND KUMAR	4	5	5	4	5	5
184	SONDIGALA HARSH RAJUBHAI	5	5	5	5	4	5
185	TALEKAR JAY CHANDRASEN	4	3	4	4	5	5
186	TALIKOTE SANSKARDEEP BALAJI	5	5	5	3	4	5
187	TAYADE SOHAM RAJENDRA	4	3	5	5	5	5
188	THAKUR SANIKA AVINASH	4	5	4	5	5	5
189	THAKUR URVI VIVEK	5	4	5	5	5	5
190	THOSAR SHLOK ABHIJIT	5	5	4	5	4	5
191	TIWARI CHANDAN VIJAY	5	5	4	3	5	3
192	TIWARI MAHEK TRIPURARI	4	5	5	5	3	5
193	VAIDYA PARTH NILESH	5	5	4	5	5	5
194	VAITY RUGVED NILESH	3	5	5	4	5	5
195	VANARASE PARAS KAMLESH	5	5	5	4	5	4
196	VARAK PRAFUL BABYA	5	5	5	5	5	5
197	VARIA NAMAN VIMAL	5	5	5	5	5	4
198	VAZE NEHALI NITIN	5	4	4	5	5	5
199	VICHARE KAVYA MAHESH	5	5	4	5	5	5
200	VISHWAKARMA SUMIT KANHAIYALAL	5	4	4	5	5	5
201	WAKPAIJAN SANIA PRASHANT	5	5	5	5	4	4
202	YADAV DEEPAKKUMAR AWADHRAJ	5	5	5	5	5	5
203	YADAV KRISHNA ANIL	5	4	5	5	5	5
204	YADAV PRITI RAJU	5	5	5	4	5	4



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Summary

Total No. of Students	204					
Total Present	204	204	204	204	204	204
Qualifier Level (%)	64	64	64	64	64	64
Total Marks	5	5	5	5	5	5
Qualifier Level in terms of marks	3.2	3.2	3.2	3.2	3.2	3.2
No. of Students above Qualifier Level	179	191	193	180	175	185
% No. of Students above Qualifier Level	87.75	93.63	94.61	88.24	85.78	90.69
Attainment level	3	3	3	3	3	3



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Term Work Marks

Roll No.	Name of the students	Out of (10)	Mini Project (10)	Attendance (5)	Total Term Work (25)
1	ABHIJEET HALDAR	8	8	5	21
2	ABHISHEK YOGESH JAMBHALE	8	8	5	21
3	ADITYA SUNIL KUMBHAR	7	8	5	20
4	AMBADE DIXIT NAMDEO	9	8	5	22
5	AMBAVALE ADITI ARVIND	9	9	5	23
6	AMRITA MOHAN	9	8	5	22
7	ANJARLEKAR PRATHMESH HARISHCHANDRA	9	8	5	22
8	ANUJA SUBASH	9	8	5	22
9	BADGUJAR PRANJAL CHANDRASHEKHAR	8	9	5	22
10	BADHE TANVI NAMDEO	9	7	4	20
11	BANDEKAR PARTH SUDHAKAR	9	7	5	21
12	BARHATE KOMAL PANKAJ	8	8	5	21
13	BHAGIRATH NILAKSHI MANOHAR	8	8	4	20
14	BHANDAKKAR AJINKYA BHARAT	8	7	5	20
15	BHANDARY PRAJWALA VIJAY	8	8	4	20
16	BHATI MANISH SURESH	8	8	5	21
17	BHAVSAR MAITRI CHANDRAKANT	9	9	5	23
18	BHAVSAR NAMAN ATULKUMAR	8	5	4	17
19	BHIRUD YASH MINESH	7	8	5	20
20	BHORI RIDDHI ANIL	8	8	4	20
21	BHUYAL CHETAN NARESH	8	7	4	19
22	BODKE OMKAR PANDHARINATH	8	8	5	21
23	CHANDALIYA PRIYANSH PARAMVEER	8	7	5	20
24	CHATTERJEE ANIK TARUN	8	7	5	20
25	CHAUDHARI AAYUSHI BHUPENDRA	9	8	5	22
26	CHAUDHARI ADITYA VIJAY	8	8	3	19
27	CHAUDHARY UMAIR AHMAD MOHD HUSSAIN	9	8	5	22
28	CHAUHAN ALOK AWADHESH	8	8	5	21
29	CHAUHAN HARSHIT SHANKARLAL	8	7	5	20
30	CHAUHAN MONI RAJKUMAR	8	8	5	21
31	CHAVAN ARYAN KAMALAKAR	9	9	3	21
32	CHINCHOLE SHRIKANT JALBA	8	7	5	20
33	CHORGHE VIDHI AJAY	9	8	5	22
34	CHOUDHARY SONAL BHANARAM	9	7	5	21



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35	DALVI MANISH SUNIL	9	7	4	20
36	DAWANE RUTUJA PREMDAS	9	8	5	22
37	DESALE SUHANI SUHAS	8	8	4	20
38	DHUMAL ALISHA AMAR	8	8	5	21
39	GALANDE TEJAS POPAT	9	8	4	21
40	GAONKAR PURVA PANDURANG	8	8	5	21
41	GARJE TUSHAR SUNIL	10	7	5	22
42	GAWADE GAYATRI RAMKRISHNA	9	8	5	22
43	GHRAT PIYUSH BHARAT	7	7	4	18
44	GHUGARE AYUSH MARUTI	8	7	4	19
45	GHUGE ATIKSH SANDEEP	9	8	5	22
46	GOHIL JAINEEL MAHESH	7	7	4	18
47	GULBHILE MADHURI MAHADEV	7	7	4	18
48	GUPTA AARYA OMPRAKASH	9	8	5	22
49	GUPTA AMISHA SUNIL	7	8	5	20
50	GUPTA RAJ RAMPYARE	9	8	5	22
51	HARDULE PRANAY DILIRAM	8	8	3	19
52	HARIJAN AKLESH KAMLESH	7	7	4	18
53	HONSHETTE SAMBHAJI SHIVANAND	7	7	4	18
54	JABAR TANMAY ANKUSH	8	7	5	20
55	JADHAV ATHARVA PRASHANT	9	7	4	20
56	JADHAV SANSKAR MAHESH	8	8	5	21
57	JAGTAP SAMYAK SANDEEP	8	7	3	18
58	JAI DNYANESHWAR KALE	7	7	3	17
59	JAIN JAINAM DEEPAK	7	7	4	18
60	JALGAONKAR AAKANSHA PRADEEP	9	8	5	22
61	JAMDADE SAIRAJ SURESH	9	8	4	21
62	JOSHI KRISHNA CHETAN	9	9	5	23
63	KADAM MANSI SURESH	8	8	4	20
64	KADAM PRATIKA GANESH	8	8	3	19
65	KADUKAR SIDDHESH SURAJ	9	8	4	21
66	KAJOLI SHUBHAM GURUDAS	9	8	5	22
67	KAKADE HARSH VINAY	7	6	4	17
68	KAMBLE ANSH SURESH	9	8	5	22
69	KAMBLE HARSH DEEPAK	8	8	5	21
70	KAMBLE PRABODH BALAJI	8	8	5	21
71	KAMBLE RUSHIKESH RAVINDRA	9	8	5	22
72	KAMBLE SRUSHTI AKASH	9	7	5	21
73	KAPSE TANMAY SANTOSH	9	7	5	21
74	KARALKAR DIPESH MAHESH	8	8	4	20
75	KATE ARYAN NITIN	9	8	5	22



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76	KEVADIYA MEET NARSHIBHAI	7	6	4	17
77	KHAN MOHD TAHA MOHD ZUBER	8	8	5	21
78	KHAN PARVEZ LUKMAN GANI	9	7	5	21
79	KHANOLKAR ROHIT KOMAL	9	8	5	22
80	KONDUSKAR SANSKRUTI DASHRATH	7	5	2	14
81	KORDE SANKET VITHOBA	7	8	4	19
82	KULKARNI DIVIT ASHISH	9	9	4	22
83	KUMARE VED RAVINDRA	8	8	5	21
84	KURMI ARYAN SUBHASH	7	6	4	17
85	KUSHWAHA PRATIKSHA ANIL	9	9	5	23
86	KUTE YASH DASHRATH	9	8	5	22
87	KUVAR ARYAN PRAFULLA	9	7	5	21
88	LAD MADHURA PRASHIL	8	8	5	21
89	LOHAR SRUSHTI KIRAN	8	8	5	21
90	LOKARE SWAYAM MANGESH	9	8	5	22
91	MAHADIK AAYUSH BHAGWAN	8	7	4	19
92	MAHADIK MALATI SANTOSH	7	8	4	19
93	MAHAJAN NIHARIKA MUKUNDA	8	8	5	21
94	MAHALE UDAY RAMAN	9	7	5	21
95	MAKWANA YASH PIYUSH	7	8	4	19
96	MALAVADE TANISH SANDEEP	9	7	4	20
97	MANE ASAWARI ANIL	5	8	5	18
98	MANE DEEPAK VISHWAS	8	7	5	20
99	MANUSHREE MISTY	9	7	3	19
100	MEHTA MEET HITESH	7	7	4	18
101	MESTA MANTHAN HARESH	8	8	5	21
102	MHASKAR VEDANT VISHNU	7	3	2	12
103	MISHRA SHWETA ARVIND	9	9	5	23
104	MOHAMMAD SHUJA SYED ZIYARAT HUSAIN	8	8	5	21
105	MOHITE ANUSHKA VIKAS	9	7	5	21
106	MORE SANJANA SHIVAJI	8	8	5	21
107	MORE SHUBHAM DEEPAK	7	7	5	19
108	NAGRE PRATHMESH UTTAM	9	8	5	22
109	NAIK BHARGAV SUNIL	7	8	5	20
110	NAIK MANTHAN ARVIND	8	8	5	21
111	NAIK MEET NINAD	9	8	5	22
112	NAIK VEDANT SANDEEP	8	8	5	21
113	NALANG PARTH RAMCHANDRA	7	8	5	20
114	NANDI MANNAT AMOL	9	8	5	22
115	NARE ADITYA MUKESH	8	9	4	21



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116	NIKUMBHE CHINMAY RAJU	9	8	5	22
117	NIVATE HARSHAL NARAYAN	9	8	5	22
118	PALIWAL PARTH JEETENDRA	5	8	4	17
119	PANCHAL PREM LAXMIKUMAR	9	8	5	22
120	PANDEY KARAN SANJAY	8	8	5	21
121	PANERIA VIHAAN MANOJ	7	7	5	19
122	PANVALKAR VALLARI RAVIKIRAN	9	8	5	22
123	PARAB SANIYA LAXMAN	9	8	5	22
124	PASWAN ANKIT SHANKAR	8	7	3	18
125	PATADIA OM RUPAL	9	8	5	22
126	PATEL ASHISH RAMESH	9	8	4	21
127	PATEL HETVI PIYUSH	7	8	5	20
128	PATEL MOKSH DAXESH	7	8	4	19
129	PATEL YASHIKA SUNIL	8	8	5	21
130	PATIL AAKANSHA ANKUSH	8	8	5	21
131	PATIL DHANASHREE LILADHAR	8	7	5	20
132	PATIL JAY VIJAY	7	6	4	17
133	PATIL KARAN PANKAJ	7	7	5	19
134	PATIL KHUSHAL SANTOSH	7	7	5	19
135	PETHKAR OM	8	7	4	19
136	BHASKER SANIL YASH	10	8	5	23
137	DEDHIA YASH	7	8	5	20
138	DESAI GAURI SANTOSH	10	8	5	23
139	KANOJIYA OM SURYABHAN	10	8	5	23
140	KARPE SAHIL VIKAS	10	8	5	23
141	LAKHANI PARV SANJAY KUMAR	10	8	5	23
142	MORE SWANIK NILESH	5	8	3	16
143	PATIL LUV ASHOK	5	7	3	15
144	PATIL MANASVI RATNAKAR	10	8	4	22
145	PATIL PRANJAL MAHENDRA	10	8	4	22
146	PATIL SANDHVI KANTI	10	8	4	22
147	PATIL SHWETA ASHOK	10	8	3	21
148	PATIL SUPRIYA SANTOSH	10	7	4	21
149	PATIL SWARAJ RAJENDRA	7	7	4	18
150	PAWAR SHUBHAM SUNIL	10	9	4	23
151	PAWAR SWARAJ RAJENDRA	8	8	1	17
152	PENDHARKAR YASH DEEPAK	10	8	3	21
153	PINJARI REHAN LATIF	8	9	1	18
154	POOJARY SINCHANA GOPAL	10	7	5	22
155	PRAJAPATI SUMIT PRATAP	10	8	5	23
156	RAJAK AADITYA RAVI	10	8	3	21



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157	RANE SAHIL SURESH	10	8	5	23
158	RATHOD RAHUL BALIRAM	10	8	5	23
159	RATNE ROHAN GANESH	8	8	3	19
160	RAUT ALISHA SHEKHAR	5	6	2	13
161	RAUT MAYANK ANKUSH	10	8	4	22
162	RAUT RUDRA RAKESH	10	8	5	23
163	RAUT SOHAM KIRTIKUMAR	10	8	3	21
164	RAVALE PRATIK RANGNATH	10	8	2	20
165	SALGAONKAR DAKSHATA CHANDRAKANT	10	9	4	23
166	SALUNKHE SANSKAR VIRENDRA	8	8	4	20
167	SAWANT ESHA MAHESH	10	9	4	23
168	SAWANT MAITHILI NILESH	10	8	4	22
169	SAWANT RISHIKESH KISHOR	10	8	4	22
170	SAWANT SAMAR SANTOSH	10	8	3	21
171	SAWANT SHREYA AMIT	10	8	4	22
172	SAWANT SUMRITA SUKHADEO	10	8	4	22
173	SENTA VISHAL VIJAYBHAI	9	9	5	23
174	SHAH AAYUSH RAJKUMAR	7	7	2	16
175	SHAIKH RIYAAN AKEELAHMED	10	8	4	22
176	SHARMA RAJ BABLU	10	8	3	21
177	SHAW PRALAYANKAR SHEOPRASAD	10	8	4	22
178	SHETTIGAR TEJAS SATHISH	10	8	2	20
179	SHETTY PRANISH HARISH	8	8	3	19
180	SINGH ANTARIKSH ARJUN	8	8	4	20
181	SINGH ARYAN SURYAPRAKASH	10	7	3	20
182	SINGH RISHU MANOJ	10	8	4	22
183	SINGH SHUBHANSHU ARVIND KUMAR	10	8	3	21
184	SONDIGALA HARSH RAJUBHAI	10	8	3	21
185	TALEKAR JAY CHANDRASEN	10	7	3	20
186	TALIKOTE SANSKARDEEP BALAJI	8	6	1	15
187	TAYADE SOHAM RAJENDRA	10	8	4	22
188	THAKUR SANIKA AVINASH	10	6	4	20
189	THAKUR URVI VIVEK	10	8	1	19
190	THOSAR SHLOK ABHIJIT	10	6	3	19
191	TIWARI CHANDAN VIJAY	8	8	3	19
192	TIWARI MAHEK TRIPURARI	10	7	4	21
193	VAIDYA PARTH NILESH	10	9	3	22
194	VAITY RUGVED NILESH	10	8	2	20
195	VANARASE PARAS KAMLESH	10	8	5	23
196	VARAK PRAFUL BABYA	10	7	4	21



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197	VARIA NAMAN VIMAL	10	8	3	21
198	VAZE NEHALI NITIN	10	7	4	21
199	VICHARE KAVYA MAHESH	8	8	2	18
200	VISHWAKARMA SUMIT KANHAIYALAL	10	6	4	20
201	WAKPAIJAN SANIA PRASHANT	10	8	3	21
202	YADAV DEEPAKKUMAR AWADHRAJ	10	7	4	21
203	YADAV KRISHNA ANIL	10	6	2	18
204	YADAV PRITI RAJU	10	8	3	21



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Internal Assessment Attainment (X1)

	BSL101.1	BSL101.2	BSL101.3	BSL101.4	BSL101.5	BSL101.6
Q1	3					
Q2		3				
Q3			3			
Q4				3		
Q5					3	
Q6						3
E1	3					
E2		3				
E3			3			
E4				3		
E5					3	
E6						3
CE	3	3	3	3	3	2
TW	3	3	3	3	3	3
Average	3.00	3.00	3.00	3.00	3.00	3.00

External Attainment (X2)

University Exam (Theory) (45 marks)				
Qualifier Level (%)	Qualifier Level in terms of marks	No. of Students above Qualifier Level	% No. of Students above Qualifier Level	Attainment level
65	0	0	0.00	NA



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LO Attainment:

	Weightage for End-semester Attainment (W2) =0% (NA) Weightage for In-semester Attainment (W1) = 100%		
CO	Average of Internal Attainment (X1)	Weighted average of External Attainment (X2)	$Y = 1 X1 + 0 X2$
BSL101.1	3.0	NA	3.0
BSL101.2	3.0	NA	3.0
BSL101.3	3.0	NA	3.0
BSL101.4	3.0	NA	3.0
BSL101.5	3.0	NA	3.0
BSL101.6	3.0	NA	3.0
Overall LO attainment of Course			3.0

Attainment of Course Outcomes

LO	Target Set	Actual Attainment	CO Attainment Achieved (Y or N)
BSL101.1	1.80	3.0	Y
BSL101.2	1.80	3.0	Y
BSL101.3	1.80	3.0	Y
BSL101.4	1.80	3.0	Y
BSL101.5	1.80	3.0	Y
BSL101.6	1.80	3.0	Y
Overall CO Attainment of the Course			3.0



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PO and PSO Attainment of Course

	Program Outcome													
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2
PO/PSO Attainment	3	2	2					2	2	2	2	2		
Rounded PO/PSO Attainment	3	2	2					2	2	2	2	2		
Actual PO/PSO Attainment	3.0	2.0	2.09					2.0	2.0	2.0	2.0	2.0		

Sign. of Faculty



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Observations and Action Taken

BSL101.1	Target Level	1.80
	Attainment Level	3.0
	Observations	Target is achieved.
	Action	Target is revised for the next academic year. Complexity will be added by including measurements with different orders of diffraction and analysing the effect of grating constant variations.
BSL101.2	Target Level	1.80
	Attainment Level	3.0
	Observations	Target is achieved.
	Action	Target is revised for the next academic year. Additional complexity will be added by introducing bending loss experiments and multi-mode fibre comparison.
BSL101.3	Target Level	1.80
	Attainment Level	3.0
	Observations	Target is achieved.
	Action	Target is revised for the next academic year. Complexity will be enhanced by incorporating error estimation in fringe width measurements and using different wedge angles.
BSL101.4	Target Level	1.80
	Attainment Level	3.0
	Observations	Target is achieved.
	Action	Target is revised for the next academic year. To raise complexity, students will be asked to analyse the superposition of magnetic fields from multiple coils.
BSL101.5	Target Level	1.80
	Attainment Level	3.0
	Observations	Target is achieved.
	Action	Target is revised for the next academic year. Additional complexity will be added by using LEDs of more colours and including temperature effects on the threshold voltage.
BSL101.6	Target Level	1.80
	Attainment Level	3.0
	Observations	Target is achieved.
	Action	Target is revised for the next academic year. Complexity will be raised by including plotting of the $\ln(I)$ vs $1/T$ graph over an extended temperature range and comparing different semiconductor samples.

Signature of Faculty

Signature of HOD



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