



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING

Flipped Classroom

Academic Year and Semester: 2023-24 Sem-I
Branch: Computer Engineering
Subject: Object-Oriented Programming
Day and Date: Monday and 20th November 2023

Class: SE (CE) B
Subject code: 210243

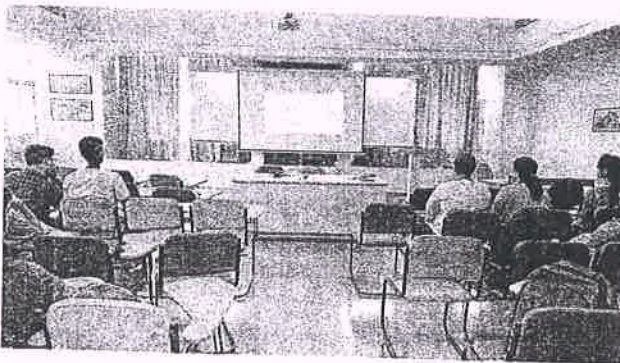
Brief about the activity:

- ✓ Objectives of the activity:
 - a. To improve student engagement and learning
 - b. To imbibe analytical skills
- ✓ Expected outcome:
 - a. Students will be able to implement Generic Program using Standard Template Library

No. of Students attended: 31

List of resources shared: link: <https://www.youtube.com/watch?v=7M6YC7VPaR0>
(NPTEL Video)

Proof of resources shared (snapshots etc.):



Conduction platform (if any): NPTEL Video and Google Quiz

Recorded session video link: NA

Assessment tool used to check the learning of the students:

- ✓ Direct (example or any quantitative assessment tool used): Quiz
- ✓ Indirect (feedback of event outcomes on a scale of excellent-5 to poor-1): 5



Link for student submission: <https://forms.gle/4ceNNz6VzsxJWvep8>

Process followed for performance Evaluation: Quiz

Feedback analysis of both Direct and Indirect assessment: Oral feedback was taken, and students were able to understand and analyze better.

Impact of the innovative practice: Better Understanding of the concept.

Dr. Deepak S. Uplaonkar



Standard Template Library (Questions)- Unit 6

MCQ Based Online Quiz (Flipped Classroom)

Subject :- Object Oriented Programming (210243)

SEM :-I

Date :- 20/11/2023
11.45am

Time :- 10:45am to

Marks :- 30

Subject Teacher : Dr. Deepak S. Uplaonkar

Find out the correct question

1. Email

2. 1. Pick out the correct statement about vector.

Mark only one oval.

- a) vector<int> values (5)
- b) vector values (5)
- c) vector<int> (5)
- d) vector<5>



3. 2 Which of the header file is used to implement algorithms provided by C++ STL?

Mark only one oval.

- a) <algorithm>
- b) <header>
- c) <algos>
- d) None of these

4. 3. Pick the correct statement.

Mark only one oval.

- a) STL is a generalized library
- b) Components of STL are parameterized
- c) STL uses the concept of templates classes and functions to achieve generalized implementation
- d) All of the mentioned

5. 4. What are the containers?

Mark only one oval.

- a) Containers store objects and data
- b) Containers stores all the algorithms
- c) Containers contain overloaded functions
- d) Containers contain set of Iterators

6. 5. What are Iterators? *

Mark only one oval.

- a) Iterators are used to iterate over C-like arrays
- b) Iterators are used to iterate over pointers
- c) Iterators are used to point memory addresses of STL containers
- d) Iterators are used to iterate over functions

7. 6. What do vectors represent? *

Mark only one oval.

- a) Static arrays
- b) Dynamic arrays
- c) Stack
- d) Queue

8. 7. What is the Standard Template Library? *

Mark only one oval.

- a) Set of C++ template classes to provide common programming data structures and functions
- b) Set of C++ classes
- c) Set of Template functions used for easy data structures implementation
- d) Set of Template data structures only

9. 8. In how many categories, containers are divided? *

Mark only one oval.

- a) 1
- b) 2
- c) 3
- d) 4



10. 9. In which type of storage location are the vector members stored? *

Mark only one oval.

- a) Contiguous storage locations
- b) Non-contiguous storage locations
- c) Contiguous & Non-contiguous storage locations
- d) Memory storage locations

11. 10. Which header file is used for Iterators? *

Mark only one oval.

- a) <iterator>
- b) <algorithm>
- c) <iter>
- d) <loopiter>

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Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year 2023-24 Semester I

Class: SE 2019

Day & Date : Monday, 20-11-23

Course Name: Object Oriented Programming

Flipped Classroom Quiz Attendance

Roll No.	Name of Student	Sign
SB01	KHAMAR AUM BHAVIN	
SB02	KHAMKAR PRATIK GANESH	
SB03	KHAN SOHAIL ZUBAIR	
SB04	KHARAT SAKSHI ASHOKRAO	
SB05	KOKATE AISHWARYA SUNIL	
SB06	KONDHEKAR TANMAY VISHWAS	<i>Aishwarya</i>
SB07	KUMAWAT SUMIT GANESH	<i>Sumit</i>
SB08	MANAS PATIL	
SB09	MANDE SWARALI SANDEEP	
SB10	MANE NIKHIL CHANDRAKANT	
SB11	MANE PRANAV SHASHIKANT	
SB12	MASKE SARA RAJESH	
SB13	MEHERKHAMB SUMIT RAMESH	
SB14	MHASKE KALYANI MAHENDRA	
SB15	MITHAWALA KANAD UJWAL	<i>Kalyani</i>
SB16	MORE RUDRA KAMLESH	
SB17	MRUNMAI ABHAY KULKARNI	
SB18	NAIR RONIT RAJ	
SB19	NALAWADE SHRADDHA RAMESH	<i>Ronit</i>
SB20	NEHA KIRVE	
SB21	NIKALJE HARSHAL GANESH	<i>Neha</i>
SB22	NIKAM ADITI SANJAY	<i>Harshal</i>
SB23	PAGAR KAPIL ANIL	
SB24	PANDHARE TEJAS AJIT	
SB25	PAREEK JAY UMESH	<i>Umesh</i>
SB26	PATIL SANIA NITIN	
SB27	PIRJADE BUSHARA ASIF	
SB28	PRAHARSH PRADIP BHONDE	
SB29	PRANAV MADHUSUDANAN PILLAI	
SB30	PRATAP SHRUTI MUKESH	<i>Pratap</i>
SB31	PRATIKSHA KRISHNA TURE	
SB32	PUNCHLONGIYA HARSH AJAY KUMAR	<i>Pratiksha</i>
SB33	RAHALKAR AARYA AMIT	
SB34	RAHUL RAJ	
SB35	RAVATE TEJASWINI JAYRAM	<i>Ravate</i>
SB36	RISHIRAJ BRIJKISHOR AWASTHI	<i>Rishiraj</i>
SB37	SAHNI AKUL PANKAJ	<i>Pankaj</i>



SB38	SALONI SINGH	
SB39	SALVI VEDANT SANJAY	Salvi Singh
SB40	SAONERKAR HARSHAL SHRIDHAR	Harsh
SB41	SARVESH J HIWARKAR	Shah
SB42	SASE SATYAM MADHUKAR	Shiwarkar.
SB43	SENAPATI ABOLI SANGRAM	Saley
SB44	SHAH JEET PRASHANT	Shah
SB45	SHARMA SHUBHAM JAYPRAKASH	Shubham
SB46	SHENDGE OMKAR SUNIL	Omkar
SB47	SHINDE RUTUJA DATTATRAY	Rhinde
SB48	SHREYA MAHESH KHAPEKAR	Shreya
SB49	ZOPE VEDANT GANESH	Zope
SB50	SINGRU POORVA SAMIR	
SB51	SOLANKI HARSHAL CHATTARSING	
SB52	SONI SAKSHI AJAYKUMAR	
SB53	SOUMYA SINGH	Soumya
SB54	SUPE HRISHIKESH SURESH	
SB55	SURYAWANSHI ADITYA YASHWANT	Surya
SB56	TAMBOLI ALISHA RIYAZ	
SB57	TANGDE ASHISH RAHUL	
SB58	TEJAS PRADIP CHAVAN	Tejas
SB59	THAKUR DEEPANSHUSINGH	
SB60	TIWARI HARISH PURUSHOTTAM	
SB61	UGALE SHRUTI SANJAY	
SB62	VARDA AMITABH KANNAL	Varda
SB63	VICHARE RUTURAJ UMESH	
SB64	VYALIJ ANUJA SAHEBRAO	
SB65	WADALKAR PRANAV GORAKH	Pranav
SB66	WASKAR NINAD RAMCHANDRA	
SB67	YALTIWAR DINO AJAY	
SB68	YELE SIDDHIRAJ NAMDEO	Yele
SB69	MHETRE VARADVINAYAK BALRAJ	Mhetre
SB70	GAIKWAD SANDHYA VINOD	
SB71	KHANDAGALE RAJASHRI GANESH	
SB72	VAISHNAV PAWAN NITIN	Vaishnav
SB73	KHARAT SAMIKSHA BALAJI	Samiksha
SB74	MALPEDDI AARTI DEVIDAS	Aarti
SB75	KHARATE PRASAD VASANT	Prasad
SB76	SWAPNALI ANIL JAKIKURE	

No. Of Students Present: 31

No. Of Students Absent: 45

Total Strength: 76

Name and Sign of Faculty Supervisor:





Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Innovative Practices in Teaching-Learning Activity
Gradient Descent Algorithm

Academic Year and Semester: 2023-24 SEM-II

Branch: Computer Engineering

Class: BE

Subject: Deep Learning

Subject code: 410251

Day and Date: Wednesday, 7/02/2024

Brief about the activity:

✓ Objectives of the activity:

- To comprehend the working principles of the Gradient Descent Algorithm.
- To analyse the impact of different learning rates and optimization parameters on model convergence.

✓ Expected outcome:

- Increased understanding of the concept and significance of gradient descent in deep learning.
- Ability to implement gradient descent algorithm independently for training neural networks.

✓ Relevance:

- Understanding Gradient Descent is crucial for students pursuing careers in artificial intelligence, machine learning, and data science. It forms the backbone of optimization techniques used in training neural networks, making it an essential concept for final year computer engineering students.

✓ Justification:

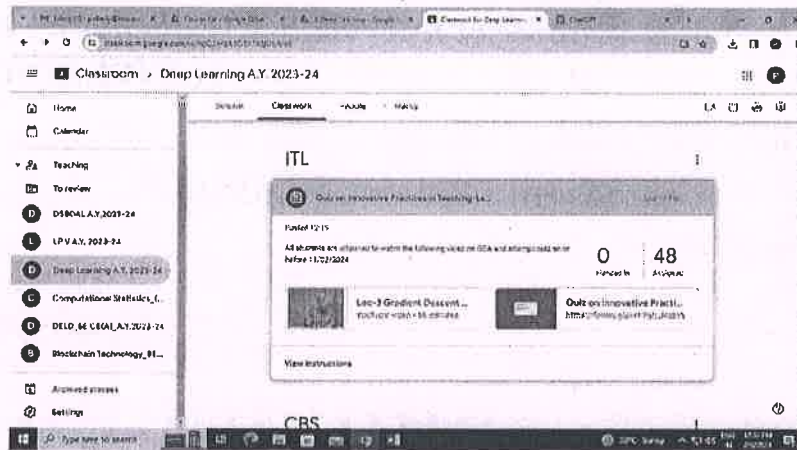
- aimed to bridge the gap between theoretical knowledge and practical application, thereby enhancing their problem-solving abilities and preparing them for real-world challenges in the field of deep learning.

No. of Students attended: 70

List of resources shared: NPTEL video on GDA



Proof of resources shared (snapshots etc.):



Conduction platform (if any): Google Classroom

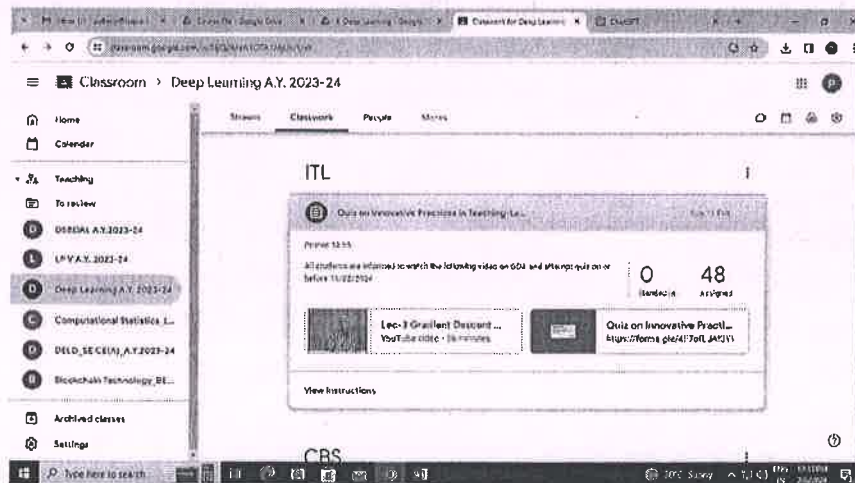
Recorded session video link:

<https://www.youtube.com/watch?v=KshIEHOn5ZM>

Assessment tool used to check learning of the students:

- ✓ Direct (example or any quantitative assessment tool used): Yes
- ✓ Indirect (feedback of event outcomes on the scale of excellent-5 to poor-1): No

Proofs of the activity (brief description and steps followed for effective implementation):



Steps followed for effective implementation:

- NPTEL Video and quiz shared on Google Classroom
- Students need to watch video and attempt quiz

Link for student submission:

<https://classroom.google.com/w/NjO2MzA1OTA1MjUz/t/all>





Process followed for Performance Evaluation: Quiz marks are considered for valuation

Feedback analysis of both Direct and Indirect assessment: Direct assessment indicated that the majority of students successfully implemented Gradient Descent and demonstrated a good understanding of its principles.

Impact of the innovative practice: The innovative practice significantly enhanced students' understanding of Gradient Descent and its applications in deep learning. It also improved their problem-solving skills and boosted their confidence in tackling optimization problems.

Reflective critiques for team Assisted individualization:

1. Challenges: Students must watch the video and then solve the quiz
2. Steps to be taken to avoid the problems: Every student's involvement into activity is personally observed.
3. Changes for the next activity: Need to conduct in the classroom (offline mode)

A handwritten signature in black ink, which appears to read 'S. Jeyadev', is written over a horizontal line.

Signature of the Course Teacher



Quiz on Innovative Practices in Teaching-Learning Activity- DL-BE-A- A.Y.2023-24 Sem II on GDA

*Indicates required question

1. Student Name: *

2. Roll Number *

3. **What is the main objective of using Gradient Descent in deep learning? *** 1 point

Mark only one oval.

- a) Minimize computational complexity
- b) Maximize the number of iterations
- c) Minimize the cost function
- d) Maximize the learning rate

4. Which variant of Gradient Descent uses the entire dataset in each iteration? * 1 point

Mark only one oval.

- a) Stochastic Gradient Descent (SGD)
- b) Mini-batch Gradient Descent
- c) Batch Gradient Descent
- d) Adaptive Gradient Descent



5. What problem does the learning rate address in the context of Gradient Descent? * 1 point

Mark only one oval.

- a) Overfitting
- b) Underfitting
- c) Convergence speed
- d) Model complexity

6. Which statement is true regarding the learning rate in Gradient Descent? * 1 point

Mark only one oval.

- a) A larger learning rate always leads to faster convergence
- b) A smaller learning rate always leads to faster convergence
- c) The learning rate has no impact on convergence
- d) The optimal learning rate depends on the specific problem

7. In which scenario is the vanishing gradient problem likely to occur? * 1 point

Mark only one oval.

- a) Shallow neural networks
- b) Deep neural networks
- c) Linear regression
- d) Logistic regression

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Timestamp	Score	Student Name:	Roll No.	What is the main objective of Gradient Descent?	Which variant of Gradient Descent is most suitable for non-convex optimization problems?	What problem does the vanishing gradient problem cause?	Which statement is true regarding the vanishing gradient problem?	In which scenario is the vanishing gradient problem likely to occur?
07/02/2024 10:56:40	4 / 5	Shreyanshu Sanjay Kodli	BC54	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
07/02/2024 15:47:03	4 / 5	Mahesh Gaikwad	BC27	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
10/02/2024 00:29:21	4 / 5	Lakshmi Narasimha Teja	BC26	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
11/02/2024 14:53:58	4 / 5	Anvay Gaikwad	BC08	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
11/02/2024 16:46:16	3 / 5	Kundan Agrawal	BC25	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
11/02/2024 18:55:30	2 / 5	Abhang Mandwale	BC02	c) Minimize the cost function	c) Batch Gradient Descent	d) Model complexity	a) A larger learning rate	b) Deep neural networks
11/02/2024 22:02:46	2 / 5	Vaibhavi	BC62	c) Minimize the cost function	c) Batch Gradient Descent	b) Underfitting	a) A larger learning rate	b) Deep neural networks
11/02/2024 22:19:59	4 / 5	Meenu Rajendran Pillai	BC28	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
11/02/2024 23:02:31	4 / 5	Srushti Ramesh Bhamre	BC56	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
11/02/2024 23:13:40	4 / 5	Omkar Subhash Papade	BC32	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
11/02/2024 23:28:28	4 / 5	Apurav Ashok Divekar	BC09	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
11/02/2024 23:32:47	4 / 5	Abhishek Mahajan	Bc03	c) Minimize the cost function	a) Stochastic Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
11/02/2024 23:57:19	4 / 5	Vaishnavi Gohad	BC75	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
22/02/2024 14:13:09	4 / 5	Raghav Sharma	BC45	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
15/04/2024 09:42:51	4 / 5	Prathamesh Bhise	BC43	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
15/04/2024 09:42:51	4 / 5	Yash Dusane	BC66	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
15/04/2024 10:24:28	2 / 5	Shreeyash Mahajan	52	c) Minimize the cost function	c) Batch Gradient Descent	d) Model complexity	d) The optimal learning rate	a) Shallow neural networks
15/04/2024 10:41:07	3 / 5	Tanaya Pawar	BC59	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	a) A larger learning rate	b) Deep neural networks
16/04/2024 12:21:34	4 / 5	Surabhi Annigeri	BC57	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
17/04/2024 10:54:22	4 / 5	Om Mahale	BC31	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
17/04/2024 10:54:43	3 / 5	Shantanu Bhosale	BC51	c) Minimize the cost function	c) Batch Gradient Descent	a) Overfitting	d) The optimal learning rate	b) Deep neural networks
17/04/2024 11:07:02	4 / 5	Prathamesh Ingole	BC42	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
17/04/2024 11:47:14	4 / 5	Ananya Ray	BC06	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
17/04/2024 12:41:45	4 / 5	Shraddha Gangaram Patil	BC76	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
17/04/2024 16:13:52	3 / 5	Palak Oza	BC 34	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
17/04/2024 22:45:01	4 / 5	Shweta Lashkare	BC70	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	a) A larger learning rate	b) Deep neural networks
18/04/2024 00:41:06	4 / 5	Divya Nipane	15	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
18/04/2024 10:56:20	0 / 5	Amisha patil	BC05	d) Maximize the learning rate	c) Batch Gradient Descent	a) Overfitting	b) A smaller learning rate	a) Shallow neural networks
18/04/2024 11:04:54	1 / 5	Sahilsing Rajput	BC47	b) Maximize the number of iterations	b) Mini-batch Gradient Descent	b) Underfitting	b) A smaller learning rate	b) Deep neural networks
18/04/2024 11:10:09	4 / 5	Amey Bable	BC04	c) Minimize the cost function	a) Stochastic Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
18/04/2024 11:17:25	4 / 5	Vishnu Shine	BC63	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
18/04/2024 11:53:41	4 / 5	Kunal Jawane	BC24	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
18/04/2024 11:53:42	4 / 5	Harshavardhan Dhole	BC18	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
18/04/2024 11:57:55	4 / 5	Pratiksha Deshmukh	BC 44	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
18/04/2024 11:58:20	0 / 5	Shubham Hippargi	Bc 55	b) Maximize the number of iterations	b) Mini-batch Gradient Descent	a) Overfitting	a) A larger learning rate	c) Linear regression
18/04/2024 12:01:58	3 / 5	Rushikesh Kulkarni	BC46	c) Minimize the cost function	c) Batch Gradient Descent	a) Overfitting	d) The optimal learning rate	b) Deep neural networks
18/04/2024 12:02:36	4 / 5	Vitthal Waghare	BC64	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
18/04/2024 12:06:17	4 / 5	Santosh sarvade	Bc49	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
18/04/2024 12:12:24	2 / 5	Sarang Shelke	BC50	c) Minimize the cost function	c) Batch Gradient Descent	a) Overfitting	a) A larger learning rate	b) Deep neural networks
18/04/2024 12:12:57	4 / 5	Shreya Gajbhiye	BC53	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
18/04/2024 12:21:36	0 / 5	Piyushka Deshmukh	BC72	b) Maximize the number of iterations	b) Mini-batch Gradient Descent	a) Overfitting	a) A larger learning rate	c) Linear regression
18/04/2024 12:21:47	0 / 5	Piyush Kale	BC37	a) Minimize computations	b) Mini-batch Gradient Descent	a) Overfitting	a) A larger learning rate	a) Shallow neural networks
18/04/2024 12:22:34	4 / 5	Yash Mithapelli	67	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks
18/04/2024 12:35:12	4 / 5	Balraj vaidya	Bc13	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate	b) Deep neural networks



Timestamp	Score	Student Name:	Roll No	What is the main objective?	Which variant of Gradient Descent?	What problem does the problem cause?	Which statement is true?	In which scenario is the vanishing gradient problem likely to occur?
18/04/2024 12:37:33	4 / 5	Sakshi Nagnath Gaikwad	BC48	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
18/04/2024 12:43:16	3 / 5	Chaitanya Ambekar	BC77	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	c) The learning rate has to be small	b) Deep neural networks
18/04/2024 13:00:11	4 / 5	Gauri Khanapure	BC74	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
18/04/2024 13:50:32	4 / 5	Hitesh Jain	BC20	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
18/04/2024 13:58:48	3 / 5	Pranav Somnath Gaikwad	BC40	c) Minimize the cost function	a) Stochastic Gradient Descent	c) Convergence speed	c) The learning rate has to be small	b) Deep neural networks
18/04/2024 14:21:27	4 / 5	Nikita Dinkar Dhobale	BC30	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
18/04/2024 14:21:28	4 / 5	Krishna elle	Bc21	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
18/04/2024 14:21:29	4 / 5	Sakshi Sidram Nime	BC71	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
18/04/2024 14:31:36	0 / 5	Vaibhav Dhaygude	BC61	a) Minimize computation	a) Stochastic Gradient Descent	a) Overfitting	a) A larger learning rate is better	a) Shallow neural networks
18/04/2024 14:41:33	4 / 5	Atharva Nair	BC10	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
18/04/2024 15:42:10	4 / 5	Nachiket Pachchhapur	29	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
18/04/2024 16:04:45	4 / 5	Kunal Ashok Patil	BC23	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
18/04/2024 16:15:53	4 / 5	HARSHAL PARATWAR	BC17	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
18/04/2024 18:32:43	4 / 5	Prajwal Raut	BC38	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
18/04/2024 18:43:39	2 / 5	Kshitija Kasar	BC22	c) Minimize the cost function	c) Batch Gradient Descent	d) Model complexity	a) A larger learning rate is better	b) Deep neural networks
19/04/2024 12:28:21	2 / 5	V Vamshi	BC60	c) Minimize the cost function	c) Batch Gradient Descent	a) Overfitting	a) A larger learning rate is better	b) Deep neural networks
19/04/2024 16:30:44	4 / 5	Atharva Pingale	BC11	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
20/04/2024 03:42:06	4 / 5	Harshvardhan More	BC19	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
22/04/2024 10:41:09	2 / 5	Parth Deshpande	BC36	c) Minimize the cost function	c) Batch Gradient Descent	d) Model complexity	b) A smaller learning rate is better	b) Deep neural networks
22/04/2024 11:52:43	4 / 5	Akash Kamble	BC73	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
22/04/2024 12:27:48	2 / 5	Prasad Thorve	BC41	a) Minimize computation	c) Batch Gradient Descent	c) Convergence speed	a) A larger learning rate is better	b) Deep neural networks
22/04/2024 12:39:20	2 / 5	Ananya patil	BC07	c) Minimize the cost function	c) Batch Gradient Descent	c) Convergence speed	b) A smaller learning rate is better	c) Linear regression
22/04/2024 13:06:09	3 / 5	Atharva Burkule	BC12	c) Minimize the cost function	c) Batch Gradient Descent	d) Model complexity	d) The optimal learning rate is small	b) Deep neural networks
22/04/2024 13:56:42	3 / 5	Yash khaimar	BC65	c) Minimize the cost function	b) Mini-batch Gradient Descent	c) Convergence speed	a) A larger learning rate is better	b) Deep neural networks
22/04/2024 15:47:54	3 / 5	Yuvraj Khelkar	BC68	a) Minimize computation	c) Batch Gradient Descent	c) Convergence speed	d) The optimal learning rate is small	b) Deep neural networks
24/04/2024 09:32:57	3 / 5	Padmakar pimpale	BC33	c) Minimize the cost function	c) Batch Gradient Descent	d) Model complexity	d) The optimal learning rate is small	b) Deep neural networks

