

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:

- \checkmark 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: <u>https://www.youtube.com/watch?v=7M6YC7VPaR0</u> (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: <u>https://forms.gle/4ceNNz6VzsxJWvep8</u>

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. Deepaks: Uplaonkar



Standard Template Library (Questions)-Unit 6

MCQ Based Online Quiz (Flipped Classroom

Subject :- Object Oriented Programming (210243)

SEM :-I

1 gioldit

Date _ 20/11/2023 11.45am

Time :- 10:45am to

Marks :- 30

Subject Teacher : Dr. Deepak S. Uplaonkar

Theirse is gived que then

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.

 ${}_{\displaystyle{\longleftarrow}}$ a) Containers store objects and data

) b) Containers stores all the algorithms

 (\frown) c) Containers contain overloaded functions

(____) d) Containers contain set of Iterators

01414

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



I = mexikizita datu ile su

*Stend

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>

This content is neither created nor endorsed by Google Google Forms



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 Attendanc	e
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	Ashwarya
\$B07	KUMAWAT SUMIT GANESH	De .
SB08	MANAS PATIL	
SB09	MANDE SWARALI SANDEED	
\$B10	MANENIKHIL CHANDRAKANT	
SB11	MANE PRANAV SHASHIKANT	
SB12	MASKE SARA RAJESH	
SB13	MEHERK HAMB SUMIT DAMEON	
SB14	MHASKE KALVANI MALIENDA	
SB15	MITHAWALA KANAD LUWAK	Damani
SB16	MORE RUDBA KANAL DU	
SB17	MRUNMALARHAN KUUKARNU	
SB18	NAIR RONIT RAL	
SB19	NALAWADE SHRADDUA DAMPON	Romitalay
SB20	NEHA KIRVE	
SB21	NIKALIE HADOLAL CANFOR	Nume.
SB22	NIKAMADITI CANADA	Hunkalip
SB23	RACAD KADU ANU	
SB24		j.
SB25	PANDHARE TEJAS AJIT	alterna Jax?
SB25	PAREER JAY UMESH	1/4800</td
SD20	PATIL SANIA NITIN	
SB27	PIRJADE BUSHARA ASIF	12
<u>SB28</u>	PRAHARSH PRADIP BHONDE	
<u>SB29</u>	PRANAV MADHUSUDANAN PILLAI	6.
.5830	PRATAP SHRUTI MUKESH	Orezz.
\$B31	PRATIKSHA KRISHNA TURE	0 1.445146
<u>SB32</u>	PUNCHLONGIYA HARSH AJAY KUMAR	Pratinset
SB33	RAHALKAR AARYA AMIT	
SB34	RAHUL RAJ	P.
SB35	RAVATE TEJASWINI JAYRAM	1 alth
.SB36	RISHIRAJ BRIJKISHOR AWASTHI	that
SB37	SAHNI AKUL PANKAT	Fighvaratel



12IT/ACAD/CP/08 Ver 01

SB38	SALONI SINGH	
SB39	SALVI VEDANT SANJAY	Clalow Sin
SB40	SAONERKAR HARSHAL SHRIDHAR	. Oping
SB41	SARVESH J HIWARKAR	
SB42	SASE SATYAM MADHUKAR	Shi wan Fu
SB43	SENAPATI ABOLI SANGRAM	Jalos
SB44	SHAH JEET PRASHANT	((12)
SB45	SHARMA SHUBHAM JAYPRAKASH	211 0
SB46	SHENDGE OMKAR SUNIL	MUMMISSINGS-
SB47	SHINDE RUTUJA DATTATRAY	Omta
SB48	SHREYA MAHESH KHAPEKAR	Bhinde
SB49	ZOPE VEDANT GANESH	C & Asurt
\$B50	SINGRU POORVA SAMIR	
_SB51	SOLANKI HARSHAL CHATTARSING	
SB52	SONI SAKSHI AJAYKUMAR	1000
SB53	SOUMYA SINGH	Javov
SB54	SUPE HRISHIKESH SURESH	
SB55	SURYAWANSHI ADITYA YASHWANT	Varising
SB56	TAMBOLI ALISHA RIYAZ	
SB57	TANGDE ASHISH RAHUL	
SB58	TEJAS PRADIP CHAVAN	AWEL
SB59	THAKUR DEEPANSHUSINGH	
SB60	TIWARI HARISH PURUSHOTTAM	
SB61	UGALE SHRUTI SANJAY	
5B62	VARDA AMITABH KANNAL	Junt
SB63	VICHARE RUTURAJ UMESH	
SB64	VYALIJ ANUJA SAHEBRAO	
SB65	WADALKAR PRANAV GORAKH	-Adupaly
SB66	WASKAR NINAD RAMCHANDRA	
SB67	YALTIWAR DINO AJAY	
SB68	YELE SIDDHIRAJ NAMDEO	Rinda
SB69	MHETRE VARADVINAYAK BALRAI	Anison
SB70	GAIKWAD SANDHYA VINOD	
SB71	KHANDAGALE RAJASHRI GANESH	
SB72	VAISHNAV PAWAN NITIN	
-\$B73	KHARAT SAMIKSHA BALAJI	17425
SB74	MALPEDDI AARTI DEVIDAS	Sumitte
SB75	KHARATE PRASAD VASANT	Rath
SB76	SWAPNALI ANIL JAKIKURE	
-		

No. Of Students Present: 3 No. Of Students Absent: 45 Total Strength: 76

a de s

in.

Name and Sign of Faculty Supervisor:

12IT / ACAD / CP / 19 Ver 01



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 Subject: Deep Learning Day and Date: Wednesday, 7/02/2024

Class: BE Subject code: 410251

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





12IT / ACAD / CP / 19 Ver 01



	Sanatoon > Child Com	ng A.Y. 2023-24		H (P
۵	Home W Ser	ulin Clansework -xxxia Maxia [,s	- ei	÷	រដ្ឋ
0	Coloridar	In the second			1
84	Teaching	ITL			
R.	To review	C Outras mounter President Manhard La	£.		
D	D\$804L A.Y.2029-24				
D	LP V A.Y. 2023-24	Ad advantation of the ender the following size of the and advantations and an ender			
٥	Deep Laneid-sp A.Y. 2023-24	hafare 11/72/2024 U 48 Hances In Assignation			
9	Computational Statistics_(Lac-3 Gradient Descent Out on Impositive Placet.			
D)	DELD HE CECAL AN 2078-24	The state of the second state and the second state of the second s			
-					
8	Bissischain Technology_01	Vize Instructions			

Conduction platform (if any): Google Classroom

Recorded session video link:

https://www.youtube.com/watch?v=KshIEHQn5ZM

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)

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 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
-) Batch Gradient Descent
-) Adaptive Gradient Descent



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

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 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
- 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
 -) Linear regression
 - 🔘 d) Logistic regression

This content is neither created nor endorsed by Google.





Timestamp	Score Student Name	Roll N/ What is the main ability in the second	
07/02/2024 10:56:40	4/5 Shrevanshu Saniay Kod	BC54 of Minimize the main objectiv Which variant of Gradien What problem does t	he I Which statement is true r In which scenario is the vanishing gradient problem likely to occur?
07/02/2024 15:47:03	4/5 Mahesh Gailovad	BC34 c) Minimize the cost func c) Batch Gradient Descei c) Convergence spec	d d) The optimal learning r(b) Deep neural networks
10/02/2024 00:29:21	4/5 Lakshmi Narasimha Tei-	BC27 c) Minimize the cost func c) Batch Gradient Descer c) Convergence spec	d d) The optimal learning r; b) Deep neural networks
11/02/2024 14:53:58	4/5 Anyay Gailowad	BC02 c) Minimize the cost func c) Batch Gradient Descer c) Convergence spec	d d) The optimal learning rib) Deep neural networks
11/02/2024 16:46:16	3/5 Kundan Agrawal	BC25 c) Minimize the cost func c) Batch Gradient Descel c) Convergence spec	d) The optimal learning rib) Deep neural networks
11/02/2024 18:55:30	2/5 Abbang Mandwale	BC22 c) Minimize the cost func c) Batch Gradient Descei c) Convergence spec	a) A larger learning rate (b) Deep neural networks
11/02/2024 22:02:46	2 (5 Vaihbavi	BC02 c) Minimize the cost func c) Batch Gradient Descerd) Model complexity	a) A larger learning rate (b) Deep neural networks
11/02/2024 22:19:59	4/5 Meenu Paiendran Dillei	BC02 c) Minimize the cost func c) Batch Gradient Descei b) Underfitting	a) A larger learning rate (b) Deep neural networks
11/02/2024 23:02:31	4/5 Snighti Ramoch Phamic	BC26 c) Minimize the cost func c) Batch Gradient Descei c) Convergence spee	d d) The optimal learning rt b) Deep neural networks
11/02/2024 23:13:40	4/5 Omker Subbach Papada	BC36 c) Minimize the cost func c) Batch Gradient Descei c) Convergence spee	d d) The optimal learning rab) Deep neural networks
11/02/2024 23:28:28	4/5 Anuray Ashak Divekas	BC02 c) Minimize the cost func c) Batch Gradient Descei c) Convergence spee	d d) The optimal learning r/b) Deep neural networks
11/02/2024 23:32:47	4 (5 Abbisbok Mohoion	BC09 c) Minimize the cost func c) Batch Gradient Descei c) Convergence spee	d d) The optimal learning r(b) Deep neural networks
11/02/2024 23:57:19	4 (5 Vaishnavi Gobad	COS C) Minimize the cost func a) Stochastic Gradient Di c) Convergence spee	d d) The optimal learning rab) Deep neural networks
22/02/2024 14:13:09	415 Pachay Sharma	BC/5 C) Minimize the cost func c) Batch Gradient Descei c) Convergence spee	d d) The optimal learning rab) Deep neural networks
15/04/2024 09:42:51	4/5 Prathamoch Phila	BC45 C) Minimize the cost func c) Batch Gradient Descei c) Convergence spee	d d) The optimal learning rab) Deep neural networks
15/04/2024 09:42:51	4/5 Yash Ducana	BC43 c) Minimize the cost func c) Batch Gradient Descei c) Convergence speed	d d) The optimal learning r: b) Deep neural networks
15/04/2024 10:24:28	2/5 Shroousoh Mahaiaa	BC66 C) Minimize the cost func c) Batch Gradient Descei c) Convergence speed	d d) The optimal learning r; b) Deep neural networks
15/04/2024 10:41:07	3 / 5 Tangua Dawar	52 c) Minimize the cost func c) Batch Gradient Descei d) Model complexity	d) The optimal learning rea) Shallow neural networks
16/04/2024 12:21:34	4/5 Surabbi Appigori	BC59 c) Minimize the cost func c) Batch Gradient Descei c) Convergence speed	a) A larger learning rate (b) Deep neural networks
17/04/2024 10:54:22	4/5 Om Mobele	BC57 C) Minimize the cost func c) Batch Gradient Descei c) Convergence speed	d) The optimal learning r(b) Deep neural networks
17/04/2024 10:54:43	3 / 5 Shantanu Phoselo	BC31 C) Minimize the cost func c) Batch Gradient Descer c) Convergence speed	d) The optimal learning r; b) Deep neural networks
17/04/2024 11:07:02	4/5 Prothamach Ingola	BC51 c) Minimize the cost func c) Batch Gradient Descera) Overfitting	d) The optimal learning r/b) Deep neural networks
17/04/2024 11:47:14	4/5 Anamia Paul	BC42 c) Minimize the cost func c) Batch Gradient Descer c) Convergence speed	d) The optimal learning rib) Deep neural networks
17/04/2024 12:41:45	4/5 Shraddha Canaaran Ded	BC08 c) Minimize the cost func c) Batch Gradient Descei c) Convergence speed	d) The optimal learning rab) Deep neural networks
17/04/2024 16:13:52	3/5 Palak Ora	BC76 c) Minimize the cost func c) Batch Gradient Descei c) Convergence speed	d) The optimal learning r(b) Deep neural networks
17/04/2024 22:45:01	4/5 Shuata Lashkara	BC 34 c) Minimize the cost func c) Batch Gradient Descer c) Convergence speed	a) A larger learning rate ab) Deep neural networks
18/04/2024 00:41:06	4 / 5 Divers Ninane	15 c) Minimize the cost func c) Batch Gradient Descei c) Convergence speed	d) The optimal learning rt b) Deep neural networks
18/04/2024 10:56:20	0/5 Amisha natil	BC05 d) Maximize the cost func c) Batch Gradient Descer c) Convergence speed	d) The optimal learning rab) Deep neural networks
18/04/2024 11:04:54	1 / 5 Sabileing Rainut	BC05 0) Maximize the learning c) Batch Gradient Descera) Overfitting	b) A smaller learning rate a) Shallow neural networks
18/04/2024 11:10:09	4 / 5 Amey Rable	BC47 b) Maximize the number b) Mini-batch Gradient D(b) Underfitting	b) A smaller learning rate b) Deep neural networks
18/04/2024 11:17:25	4/5 Vishnu Shino	Convergence speed	d) The optimal learning rab) Deep neural networks
18/04/2024 11:53:41	4/5 Kunal Jawana	BC03 c) Minimize the cost func c) Batch Gradient Descel c) Convergence speed	d) The optimal learning rt b) Deep neural networks
18/04/2024 11:53:42	4/5 Harshavardhan Dholo	BC24 c) Minimize the cost func c) Batch Gradient Desce c) Convergence speed	d) The optimal learning rab) Deep neural networks
18/04/2024 11:57:55	4/5 Pratiksha Doshmukh	BC 16 c) Minimize the cost func c) Batch Gradient Descei c) Convergence speed	d) The optimal learning rib) Deep neural networks
18/04/2024 11:58:20	0/5 Shubbarr Hisparsi	BC 44 c) Minimize the cost func c) Batch Gradient Descer c) Convergence speed	d) The optimal learning r b) Deep neural networks
18/04/2024 12:01:58	3/5 Pushikash Kulkami	BC 55 b) Maximize the number b) Mini-batch Gradient D(a) Overfitting	a) A larger learning rate (c) Linear regression
18/04/2024 12:02:36	4/5 Vitthal Wachoro	BC46 c) Minimize the cost func c) Batch Gradient Descera) Overfitting	d) The optimal learning r, b) Deep neural networks
18/04/2024 12:06:17	4/5 Sentoch convide	BC04 c) Minimize the cost func c) Batch Gradient Descer c) Convergence speed	d) The optimal learning rt b) Deep neural networks
18/04/2024 12:12:24	2/5 Sarang Shelke	2000 c) Minimize the cost func c) Batch Gradient Descer c) Convergence speed	d) The optimal learning rab) Deep neural networks
18/04/2024 12:12:57	4/5 Shreva Gaibbiyo	2053 o) Minimize the cost func c) Batch Gradient Descera) Overfitting	a) A larger learning rate (b) Deep neural networks
18/04/2024 12:21:36	0/5 Pivushka Dochmulth	COS c) winimize the cost func c) Batch Gradient Descel c) Convergence speed	d) The optimal learning r b) Deep neural networks
18/04/2024 12:21:47	0/5 Pivush Kale	borz b) maximize the number b) Mini-batch Gradient D(a) Overfitting	a) A larger learning rate (c) Linear regression
10/04/2024 12:22:34	4/5 Yash Mithanolli	67 a) Minimize computation(b) Mini-batch Gradient D(a) Overfitting	a) A larger learning rate a) Shallow neural networks
16/04/2024 12:35:12	4/5 Balrai vaiduo	2012 (c) Winimize the cost func c) Batch Gradient Descer c) Convergence speed	d) The optimal learning r b) Deep neural networks
1111111111111	ti o Daliaj valdya	c) Minimize the cost func c) Batch Gradient Descer c) Convergence speed	d) The optimal learning r; b) Deep neural networks

		C.		→ +	
				2. P	
Timestamp	Score Student Name:	Roll Nu What is the main object	tiv Which variant of Gradien What problem doos the	NAME TO A DECEMBER OF THE ADDRESS OF	
18/04/2024 12:37:33	4 / 5 Sakshi Nagnath Gaikwa	ac BC48 c) Minimize the cost fu	nc c) Batch Gradient Descer c) Convergence speed	d which statement is true r in which scenario is the vanishing gradient problem likely to	occur?
18/04/2024 12:43:16	3 / 5 Chaitanya Ambekar	BC77 c) Minimize the cost fu	nc c) Batch Gradient Descer c) Convergence speed	a) The looming rate has the Deep neural networks	
18/04/2024 13:00:11	4 / 5 Gauri Khanapure	BC74 c) Minimize the cost fu	nc c) Batch Gradient Descel c) Convergence speed	d) The entired learning rate has rol Deep neural networks	
18/04/2024 13:50:32	4 / 5 Hitesh Jain	BC20 c) Minimize the cost fu	nc c) Batch Gradient Descer c) Convergence speed	d) The optimal learning r b) Deep neural networks	
18/04/2024 13:58:48	3 / 5 Pranav Somnath Gaikwa	a BC40 c) Minimize the cost fu	nc a) Stochastic Gradient D(c) Convergence speed	c) The learning rate has the Doop neurol networks	
18/04/2024 14:21:27	4 / 5 Nikita Dinkar Dhobale	BC30 c) Minimize the cost fu	nc c) Batch Gradient Descer c) Convergence speed	d) The optimal learning r b) Deep neural networks	
18/04/2024 14:21:28	4 / 5 Krisha elle	Bc21 c) Minimize the cost fu	nc c) Batch Gradient Descer c) Convergence speed	d) The optimal learning r b) Deep neural networks	
18/04/2024 14:21:29	4 / 5 Sakshi Sidram Nime	BC71 c) Minimize the cost fu	nc c) Batch Gradient Descer c) Convergence speed	d) The optimal learning (20) Deep neural networks	
18/04/2024 14:31:36	0 / 5 Vaibhav Dhaygude	BC61 a) Minimize computatio	one a) Stochastic Gradient D(a) Overfitting	a) A larger learning rate of Shellow source activity	
18/04/2024 14:41:33	4 / 5 Atharva Nair	BC10 c) Minimize the cost fu	nc c) Batch Gradient Descer c) Conversence sneed	d) The optimal loaming tale (a) Shallow neural networks	
18/04/2024 15:42:10	4/5 Nachiket Pachchhapur	29 c) Minimize the cost fur	nc c) Batch Gradient Descel c) Convergence speed	d) The optimal learning (20) Deep neural networks	
18/04/2024 16:04:45	4 / 5 Kunal Ashok Patil	BC23 c) Minimize the cost fur	nc c) Batch Gradient Descer c) Convergence speed	d) The optimal learning rt b) Deep neural networks	
18/04/2024 16:15:53	4/5 HARSHAL PARATWAR	BC17 c) Minimize the cost fur	c c) Batch Gradient Descei c) Convergence speed	d) The optimal learning r(b) Deep neural networks	
18/04/2024 18:32:43	4 / 5 Prajwal Raut	BC38 c) Minimize the cost fur	c) Batch Gradient Descei c) Convergence speed	d) The optimal learning rab) Deep neural networks	
18/04/2024 18:43:39	2/5 Kshitija Kasar	BC22 c) Minimize the cost fur	nc c) Batch Gradient Descei d) Model complexity	a) A larges learning rt b) Deep neural networks	
19/04/2024 12:28:21	2/5 V Vamshi	BC60 c) Minimize the cost fur	c) Batch Gradient Descera) Overfitting	a) A larger learning rate (b) Deep neural networks	
19/04/2024 16:30:44	4 / 5 Atharva Pingale	BC11 c) Minimize the cost fur	nc c) Batch Gradient Descer c) Conversance speed	d) The estimal learning rate to) Deep neural networks	
20/04/2024 03:42:06	4 / 5 Harshvardhan More	BC19 c) Minimize the cost fur	c) Batch Gradient Descei c) Convergence speed	d) The optimal learning rt o) Deep neural networks	
22/04/2024 10:41:09	2/5 Parth Deshpande	BC36 c) Minimize the cost fur	c c) Batch Gradient Descerc) Convergence speed	b) A smaller learning ri b) Deep neural networks	
22/04/2024 11:52:43	4 / 5 Akash Kamble	BC73 c) Minimize the cost fur	c) Batch Gradient Descerc) Conversioned speed	d) A smaller learning rate of Deep neural networks	
22/04/2024 12:27:48	2/5 Prasad Thorve	BC41 a) Minimize computation	n: c) Batch Gradient Descer c) Convergence speed	O) A lease least in the b D	
22/04/2024 12:39:20	2/5 Ananya patil	BC07 c) Minimize the cost fur	cc c) Batch Gradient Descerc) Convergence speed	a) A larger learning rate (b) Deep neural networks	
22/04/2024 13:06:09	3 / 5 Atharva Burkule	BC12 c) Minimize the cost fur	ac c) Batch Gradient Descerd) Model complexity	d) A smaller learning rate c) Linear regression	
22/04/2024 13:56:42	3/5 Yash khaimar	BC65 c) Minimize the cost fur	cb) Mini-batch Gradient Dic) Conversiones accord	a) A lerger learning (1 b) Deep neural networks	
22/04/2024 15:47:54	3 / 5 Yuvraj Khelkar	BC68 a) Minimize computatio	n: c) Batch Gradient Desner c) Convergence speed	a) A larger learning rate (b) Deep neural networks	
24/04/2024 09:32:57	3/5 Padmakar pimpale	BC33 c) Minimize the cost fur	c) Batch Gradient Descerc) Convergence speed	0) The optimal learning r(b) Deep neural networks	
	Contraction Procession	wy minimize are cost fur	io of batch oradient besceru) woder complexity	u) The opumal learning (cb) Deep neural networks	



INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY (I²IT)



Accredited by NAAC

Approved by AICTE, New Delhi | Recognized by DTE, Govt. of Maharashtra | Affiliated to the Savitribai Phule Pune University DTE Code : EN 6754 | AISHE Code : C-41681

Department of Information Technology

Academic Year 2023-24 Semester II

Innovative Practices in Teaching-Learning Activity

Flip class room Activity

Class: SE-(B) Day and Date: 14/3/2024 Subject: Database Management System Subject code: 214452

Brief about the activity:

- ✓ Objectives of the activity: Normalization with examples
- ✓ Expected outcome: Student will able to Compare various Normalization Types i.e. 1NF, 2NF, 3NF, BCNF

No. of Students attended: 51

List of resources shared: <u>https://youtu.be/vAkrA1BQnSw?feature=shared</u> (NPTEL Video) Proof of resources shared (snapshotsetc.):





INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY (I²IT)

Accredited by NAAC

Approved by AICTE, New Delhi | Recognized by DTE, Govt. of Maharashtra | Affiliated to the Savitribai Phule Pune University DTE Code : EN 6754 | AISHE Code : C-41681





P-14, Rajiv Gandhi Infotech Park, MIDC, Phase- I, Hinjawadi, Pune - 411 057, Maharashtra, India Tel.: +91 20 2293 3441 | Fax.: +91 20 2293 4191 | Email: info@isquareit.edu.in | principal@isquareit.edu.in | Website: www.isquareit.edu.in A Project of Hope Foundation - **FINOLEX** I2IT / ACAD / CP / 17 Ver 1 INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY (I²IT)

L2IT INNOVATION & LEADERSHIP WWW.isquareit.edu.in

Accredited by NAAC

Approved by AICTE, New Delhi | Recognized by DTE, Govt. of Maharashtra | Affiliated to the Savitribai Phule Pune University DTE Code : EN 6754 | AISHE Code : C-41681

Conduction platform (if any): Video and Google Quiz

Recorded session video link: NA

Assessment tool used to check learning of the students:

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

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

1.Link for the video Normalization with examples was shared with students on Google Classroom and asked to go through it.

2.Based on the video topic was discussed with students.

3.Quiz based on it was conducted.

Link for Student Submission:

https://docs.google.com/forms/d/e/1FAIpQLSd3Mq78zJmlASWOtwAF79mKFrKLU1q 2WmWiKptxi_hGBOOIA/viewform

Process followed for Performance Evaluation:

1.Quiz Based on it was conducted.

Impact of the innovative practice:

Students acquired the concept very easily.

(NOTE: Attach the documents wherever required as proof of the event)

PrachiN.

Signature of the Course Teacher





Hope Foundation's International Institute of Information Technology, Pune DEPARTMENT OF INFORMATION TECHNOLOGY Innovative Practices in Teaching-Learning Activity

Think-pair -share

Role of Machine Learning in Autonomous vehicle

Academic Year and: 2023-24 Branch: IT Subject: Machine Learning Day and Date: Friday,20th Oct.2023 Semester: V Class: TE Subject code: 314443

Brief about the activity:

Objectives of the activity:

i) To encourage students for individual reflection, thinking, and processing new

information before they may be influenced by other students' answers.

ii) To teach the students how to explain their thoughts first to a peer, and then to a larger audience (the entire class).

Expected outcome:

EO 1) To let students talk and learn more in a natural way.

EO 2) To give them the chance to think and try out ideas and new languages.

EO 3)To provide a comfortable way for students to work through new skills and concepts, and work well in large classes.

No. of Students attended: 45 List of resources shared:

 $1) \ https://www.electronicdesign.com/markets/automotive/article/21147200/nxp-semiconductors-the-role-of-machine-learning-in-autonomous-vehicles$

2) https://www.youtube.com/watch?v=-UPfyvDJz9I

 $\label{eq:2.1} 3 \) https://medium.com/@gtssidata5555/role-of-machine-learning-in-autonomous-vehicles-3c98f1edaf15$



Proof of resources shared (snapshots etc.):

	Think Pair Share activity scheduled on 20th Oct			ē	Ø	
-	Sonali S. Patil <sonalip@isquareit.edu.in> to teita -</sonalip@isquareit.edu.in>	16 Oct 2023, 10:41 (4 days ago)	☆	¢	:	
	Dear students,					
	Find the topic for the Think Pair Share activity scheduled on 20th O	ct. at 10:45am in 307				
	Topic Role of machine learning in autonomous vehicles					
	Group A - Roll No.(1 -15) Object detection					
	Group B - Roll No.(16 -30) Classification					
	Group C - Roll No.(31 -45) Segmentation					
	Group D - Roll No.(46 -60) Tracking					
	Group E - Roll No.(61 -76) Prediction					
	Thanks and regards					
	Prof. Mrs.Sonali Patil					
	PhD Pursuing (VU,Pune) ,M.E. (Comp. Engg.)LMISTE					
	Assistant Professor ,Department of Information Technology,					
	Hope Foundation's International Institute of Information Technology (I ² IT)					
	Phase I, riinjawadi, Pune - 411057, Manarashtra					
Find t	he below links to explore the topic					
1) <u>http</u>	s://www.electronicdesign.com/markets/automotive/article/21147200/nxp-semiconductor	s-the-role-of-machine-learnin	g <u>-in-a</u>	utono	mous-	vehicles
2) <u>http</u>	s://www.youtube.com/watch?v=-UPfyvDJz9I					
3 <u>)http</u>	s://medium.com/@gtssidata5555/role-of-machine-learning-in-autonomous-vehicles-3c%	8f1edaf15				

Conduction platform (if any): Classroom

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

 Topic "Role of Machine Learning in Autonomous Vehicles" is divided in the following groups as per different ML techniques used Group 1 -- Object detection

Group 2 --Segmentation

Group 3-- Tracking

- 2) T : (Think) Teachers begin by asking a specific question about the above subtopics to the group. Students "think" about what they know or have learned about the topic from given resource.
- 3) P: (Pair) Each student's group paired with another group.
- 4) S : (Share) volunteer of each group shared their thinking with another group .
- 5) Activity concluded with summarization of all ML techniques used in Autonomous vehicle.



<u>12IT / ACAD / CP / 19 Ver</u> 01



Students engaged in the activity

Feedback analysis of both Direct and Indirect assessment: Indirect (feedback of event outcomes on the scale of excellent-5 to poor-1):

Do you prefer to work and share with your friend before answering the question during the lecture?	AL ON
Did you benefit from applying think-pair-share strategy with the friend in your group during this activity?	23.9% u.ss 61.2%
Do you find that there is fun and you enjoy applying think-pair-share strategy during this activity?	22.4% 22.4% 55.2%
Is there an exchange and sharing of opinions, thoughts and ideas between you and your friends when applying think-pair-share strategy during this activity?	19.4% 10.4% 70.1%
Do you think applying think-pair-share strategyboosts your self-confidence?	70.1%

CO-PO Mapping

Course					Prog	ram Ou	tcomes	(POs)				
Outcome (COs)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO10	PO11	PO1 2
EO 1	2											
EO 2		2		1					1			1
EO 3				2					2			2
1 - LOW , 2	2 - MED	OIUM, 3	- HIGH	[

Justification:

- PO1: Students will be able to understand machine learning aspects in autonomous vehicle.
- PO2: Students will be learning to analyse the real life example in machine learning
- PO4: Students will engage in research-based investigations of the data generated by autonomous vehicle.
- PO9: Students will be engaged in team works.
- PO10: Students will be able to develop communication skill in natural way by sharing their views on role of machine learning in autonomous vehicle
- PO12: Students feel more comfortable in sharing their thoughts about new technology.

Impact of the innovative practice: Students were able to present their topics in systematic way.

Prof.Sonali Patil Signature of the Course Teacher





Hope Foundation's International Institute of Information Technology, Pune DEPARTMENT OF INFORMATION TECHNOLOGY Innovative Practices in Teaching-Learning Activity

Role Play activity

Academic Year and Semester: 2023-24 Sem-I

Branch: ITClass: BESubject: Deep LearningSubject code: 414443Day and Date:Wednesday 13/09/2023

Brief about the activity:

- ✓ Objectives of the activity: To understand various types of autoencoders and deep learning concepts through role play
- ✓ Expected outcome: student will be able to Compare various types of autoencoders and deep learning concepts
- ✓ Relevance:
- ✓ Justification:

No. of Students attended: 32

List of resources shared: How to perform Role play was discussed in the class among students and ask them to participate.

Proof of resources shared (snapshotsetc.):

Conduction platform (if any):

BE classroom 219

Recorded session video link:

https://drive.google.com/file/d/1DDLaGk8PeG201FfGVF3mh5Pr87Qk2HM4/view?usp=sharing

Assessment tool used to check learning of the students:

✓ Indirect (feedback of event outcomes on the scale of excellent-5 to poor-1):
 Proofs of the activity (brief description and steps followed for effective implementation):

In this one student has explained about what is autoencoders, six students have explained various types of autoencoders in deep learning.one student explained applications of autoencoders. Student has to act as an autoencoder or its type explaining its working by examples. Also Explaining owns advantage like how I am different than other autoencoders and comparing with other types.

Feedback analysis of both Direct and Indirect assessment:

Direct feedback taken from students they found this activity excellent. And helped them to remember types throughout the education.



Activity proofs.



Datta is giving introduction to all participants and their roles



Pritish is explaining undercomplete autoencoders



Soumaya is explaining Contractive Autoencoders

Impact of the innovative practice: participants have got better understanding of autoencoders types for which they have acted.

Reflective critiques for team assisted individualization:

- 1. **Challenges:** only few students selected for role play activity due to time limitations. Recording of this activity
- 2. **Steps to be taken to avoid the problems**: -one student has given responsibility of video editing
- 3. **Changes for the next activity**: Need to identify more activities with maximum student participation.

Sr.No. Name ROLE ASSIGNED 1 Datta Autoencoder 2 Athravshirsh Sparse Autoencoder 3 Ganesh Variable Autoencoder 4 Soumya **Contractive Autoencoder** 4 Sanika Denoising Autoencoder 5 Prerana Stochastic Autoencoder 6 Pritish Undercomplete Autoencoder 7 Avishkar Applications of Autoencoders 8 Video Editing Ananyapranav

Students who have performed roleplay Activity

Signature of the Course Teacher



Hope Foundation's

International Institute of Information Technology, Pune DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

Innovative Practices in Teaching-Learning

Academic Year and Semester: AY 2023-24 Sem II Branch: E&TC Subject: Mobile Computing Day and Date: Wednesday,10/04/2024

Class: BE Subject code: 404191E

Objectives of the activity:

- a) To adapt Innovative teaching learning methodology to obtain maximum involvement of learners.
- b) Learn interfacing of real-world use cases in Al
- c) To encourage Self-learning from the real world problem and provide the effective solution with basic concept of the AI and the telecommunication.

The learning outcomes of the activity:

After completion of the activity students will be able to:

- a) Understand the fundamentals of Telecommunication industry and requirement. [Application]
- b) Develop logic for AI models according to applications. [Application]

No. of Students attended: 48

List of resources shared:-

Proof of resources shared:

g isino	n 🖬 noutube 🖉 Maps 🚯 E	10 🔟 50	mesary \$9.10	şm]spekes-t	ut It stourist i	inclusion by lan Our		C	J ASE	cokmark	18
	🖪 Classroom > N	fobile (Computi	ng 23-24	SEM II			d		٨	•
â	Ногне	-	Stream	Classwo	ork People	Marks			۵	۲	-
	Colendar	and and a				total for any internal and internal all PBC All use cases i	in telecommunication				1.10.440
82	Teaching	II.				Asimin in postod a new material, cos- ki dia coses i I Ap			:		
	veaver of	調査が									
Ø	Mobile Computing 23-24 S	C M		18	0	Ashvini K posted a new material: Technical Poster Pr 2014	resentation-Al in Telecom		ł		
	MiNa project 23-24 SEM II										
0	BE VLSI Design and Techno EF 2015				0	A show it posted a new assignment: Assignment 2 $_{\rm (3,472)}$:		No. of Concession, Name
0	lo? (23-24) 201+Pat										SUNCE.
6	SD 2023-24				6	Ashvin' X posted a new assignment: Assignment 1			;	-	No.
0	22-23 Mobile Computing (57.x117/PM)							1	of	Inf	10
G	CNUTE ENTC 21-22 Sert 3				Ø	Ashvini Kiposted a new assignment: Lab Manual Mo - (an 1-1653), an	belle Computing	Siller	:	0	
9		-	1	No. of Concession, Name		2 ca un un 181	1 2710 Surma - 0 Fr	ENG	145 m	14 100	h

" * Pune *

Proof of resources shared:



Conduction platform: Google Classroom

Assessment tool: Direct

Rubrics for Stump your partner

Performance Criterion (PC)	Excellent (4)	Good (3)	Poor (2)	Unacceptable (1)
Accomplishmen t of Technical Poster Tasks	Complete in all respects; reflects all requirements	Complete in most respects; reflects most requirements	Incomplete many stages(task),reflects few requirements	Incomplete Technical Poster stages,does not reflect requirements
Operational Demonstration	Operational demonstration shows 100% completion and is on-time.	Operational demonstration with partial functionality.	Operational demonstration with marginal functionality.	No operational demonstration on demo day.
Fechnical Poster Report Organization and Mechanics	Report is complete with good detail, little/no spelling, grammar, or typography errors.	Report is complete with some detail, spelling, grammar, or typography errors.	Report missing some sections or in improper format; minimal detail; numerous errors.	Report lacking detail or organization or contains excessive errors.
Team Work	Actively contribute, present in all	Moderate contribution,	Little contribution,	No contribution,

Info

19141 + Pune

	meetings, routinely share useful ideas,	occasionally present during meetings, sometimes share ideas.	rarely present during meetings, rarely share ideas.	not present during meetings, never share ideas	
--	--	---	--	--	--

Steps followed for effective implementation:

1)

Student has permitted go through the various AI based telecommunication case study videos available across internet.

2)

Time Boundary was allotted with team limit of 3 students 3)

Students need to apply basics of communication and AI logic to provide solution for any problem around them by means of applying the knowledge and the answers, question and submit them as an assignment submission on Google Classroom.

Details for student submission: Assignment on Google Classroom: Activity: Tehnical Poster presentation activity

Process followed for performance Evaluation: Rules to be followed:

0

- Each team will consist of maximum 2 participants. 0
- Only one poster will be allowed to present per team.
- Names and Institute name should appear on the backside of the poster.
- All lettering and diagrams should be large enough to be read from a minimum of 2 feet. The official language for the poster will be English.
- Poster Size: maximum1m x 1m (soft copy in PDF). •
- Advisable to use coral draw

Judging Criteria:

- .
- Content (Selection of Topic) (15 marks) .
- Uniqueness of poster (use of new idea, creative approach) (5 marks) Its Presentation (10 marks) - Question and Answers (10 marks)
- Overall impact of poster (Poster Format and Appearance) (10 marks) Total Marks = 50
- The participants will be given a maximum of three to five minutes to present their poster before
- All the decisions made by judges and event head will be final.

Students		e e e e e e e e e e e e e e e e e e e		
student 1	Student 2			
BE23252 SARTHAN CURT	BE23257 SHIRKE KALPESH	Student 3		
BE23225 KHAMCAL	CHANDRAKANT		Title	9/2011/1
HANASHREE GORAKUMAT		BE23274 ZAHRA JAWEED AMIN	AI IN TELECOMMUNICATION: Network	Marks
E23225 KHAMGAI	BE23226 KHAMGAL NIKITA VITTHA		Traffic Forecasting Model LSTM-FSD	
HANASHREE GORAKHMATH	A A A A A A A A A A A A A A A A A A A	BE23234 MANDLIK GAURI PRAVIN		15
23210 CHOUDHARY	BE23226 KHAMGAL NIKITA VITTHAL		Internet Of Things	
RAYAN RAMESHKUMAR	The second s	BE23234 MANDLIK GAURI PRAVIN		18
23204 ARGULWAR ALAY	BE23220 JAWALEKAR PARTH SHALLEEN		Robotics Process Automation	10
NOJ	STALESH	BE23263 TEJAS BHAGAT	0.00	18
23243 PATIL DIGVILAY	BE23218 GODASE ABHINESH MOHAN	Dessea	QRGuardian : Campus Safety	20
VIRAJ		BE23269 WAGH ONKAR SHAHU	Smart Billing and Revenue Assurance	20
3240 NADARGE SAKSHI ANU	BE23245 RANE YASH YOGIRAI	Brane	Using Al in Telecom	10
3254 SATPUTE TELAS	BE23242 PATIL ANUSHREE UMESH	BE23248 RISHAB KAR CHAUDHURI	Securing Connections: AI-Powered	19
ЛВНАЛ	and the second	10 stors	relecommunication Cybersecurity	20
6	NTRA	1.	Al in Robotic Process Automation	17
253 SATHE SAYALL ALLOS	anorman.	the second second	A11- m -	17
1.5		and the second second	Alth Telecommunication	17
249 SAKSHI ULHAS BATU			USE OF AT IN TELECOMMUNICATION	1/
IE .	BELOZOS SATHEDAVALI KAILAS	BEDDOCE	LISE OF HUMAN	18
		DE23255 SHEREKAR YASH RAVINDRA	INDUSTRY IN TELECOMMUNICATION	
18	2	and the second sec	1 MOOSTRY	20
10	area and a second			
1 2 10	what F			
0211	aune */	- 3		
44 212	* *			

BE23255 SHEREKAR YASH RAVINDRA	5	1		
BE23212 DESAI GAURI SANJAY			Industry	
BE23201 ALTE SHRUTI VILAS	BE23207 BARLSAKSHI SAM		Al in Telecomounication	20
BE23211 DAYMA GIRIRAJ	STREET BAR SAKSH SUNIL	BE23244 PATIL VAISHALI UMAKANT	Graph Attention Natural	20
MANISH	BE23224 KANAWADE DEEP RAIEMORA		Al powered network manage	17
BE23205 BARAVKAR PIYUSH	A A A A A A A A A A A A A A A A A A A	BE23239 MUJAWAR SALMAN BABULAL	5G Telecommunications	
558658	BE23241 PARKHE KHUSHI KIRAN	CHANDEL		18
BE23249 SAKSHI UNAS DATU		CIMINOLL	Connected Tomorrow	20
STATES SARSIN OLHAS PATIL			Use of Al In Telecommunication	20
BE23208 BHURE RUPESH DATTA	BE23250 SANSKRUTI DIPAKRAO		industry	17
	PATOND	BE23262 SURANA SMRUTI SUNIL	Al powered a stand	
			AL POWERED NETWORK management	18
BE23268 WAGH OM NILESH			MANAGEMENT IN SC	
BE23227 KHOLE DHANANJAY	BE23229 KODAG SABTHAK		TELECOMMUNICATIONS	
VIVEK	MAHENDRA	0000000	Advancing Telecommunications	17
BE23213 DHAKNE ASHISH VIJAY	BE23256 SHINDE AAKANKSHA BALAU	BE23273 YUKTA MILIND KABRA	through Al Integration	
BE23221 KADAM ATHARV	BE23236 MIRKALE TANISHO	BE23265 UMBARKAR YASH RAJIV	AI USING MOBILE COMPUTING IN SC	17
TUGESH	RAJKUMAR	RE2224C DATION LAW		19
BE23231 MAHARAJ SHUBHAM		0223246 RATHOD ABHISHEK DILIP	AI	20
BE33330 MUSAL	BE23238 MRUNMAI KULKARNI	BE23266 VADUN SUDECU SUDE	Use Cases of Artificial Intelligence in	20
DATTATRAY		SCEDED VANON SORESH GUPTA	Telecommunication	16
BE23212 DUAYNE ACUSE			Ai power and telecommunication:	10
BE23202 ANKET BALSHARA	BE23256 SHINDE AAKANKSHA BALAJI	BE23265 UMBARKAR VASH PAUL	securing the connection	18
BE23213 DHAVNE ACHICINA	BE23219 HEMANG AMRITLAL JAIN	BE23271 YASH PRADIR LAGTAD	SMART WHEELCHAIR	17
BE23213 DHAKNE ASHISH VIJAY	BE23256 SHINDE AAKANKSHA BALAJI	BE23265 LIMBARKAR YASH DAIN	NETWORK MANAGEMENT IN 5G	19
BE23205 ATHARVA SACAR	BE23256 SHINDE AAKANKSHA BALAJI	BE23255 UMBARKAR VASH RAIN	SMART WHEELCHAIR	16
CHATUR		CINDANKAK TASH KAUV	AI 5G Communication	20 1
BE23216 GHATOL AMIT SANIAY			A)	
BE23237 MISHRA YASH MANOL			A:	15
BE23232 MALAVADE MEGHNA			Al in Tologon	17
NITIN			Al noncessitivity	20
			Telecommunication	

Feedback analysis of Direct Assessment:

Average Result:

The strategy used was a good success (100%). The students learnt the concept very well and actively participated in the activity.

Reflective critiques:

- 1. Challenges:
 - While completing the submission for the activity, students were supposed to complete it on classroom, it is observed that many students have not participated it because of the tool and resources issues
 - Submission is through google classroom with restriction on the video file submission because of size.
- 2. Changes for the next activity: Next time, this activity can be taken in the session and submission will be taken using Google Form. As specific time limit will be there and encouraging students to show their peer students work for their motivation.

Signature of the Course Teacher



Hope Foundation's



International Institute of Information Technology

P-14, Rajiv Gandhi Info Tech Park, Phase - 1, Hinjawadi, Pune - 411 057

Department of Electronics & Telecommunications

Project Exhibition

Academic Year and Semester: 2023-2024 Semester II Branch: E&TC Subject: Project Based Learning Day and Date: Tuesday, 6th February 2024

Class: SE Subject code: 204200

Objectives of the activity:

- a) To create awareness about the design and implementation of the project
- b) To provide the opportunity for product demonstrations
- c) To seek clarifications about the product's features and benefits.

The learning outcomes of the activity:

After completion of the activity students will be able to

- a) To understand the product development cycle.
- b) To know the process of transforming an idea into a prototype.
- c) To get motivation for taking quality projects ..

No. of Students attended: 52

List of resources shared: Previous academic year project were kept in exhibition.

Conduction platform: Classroom (A302)

Assessment tool: NA

Steps followed for effective implementation:

- 1. Previous academic year SE PBL project were kept in the exhibition.
- 2. Discussed the process form idea to product.

Details for student submission: Not Required

Process followed for performance Evaluation: Not Required

Feedback analysis of direct assessment: NA

Average result: NA



Impact of the innovative practice:

- 1. The students understood the selection of project idea/ problem statement.
- 2. The participation was active.
- 3. It made impact for lifelong use and learning.

Reflective critiques for team assisted individualization:

- 1. Innovative thinking session and lectures are required.
- 2. Students approach toward idea to product need motivation and financial support.

Signature of the Course Teacher Jeffug Anjol 5





Hope Foundation's **International Institute of Information Technology**

P-14, Rajiv Gandhi Info Tech Park, Phase - 1, Hinjawadi, Pune - 411 057

Department of Electronics & Telecommunications

Encouraging SE students for Intellectual Property Right

Academic Year and Semester: 2023-2024 Semester II Branch: E&TC Subject: Project Based Learning Day and Date: Tuesday, 2nd April 2024

Class: SE Subject code: 204200

Objectives of the activity:

- a) This awareness activity would expose the students to various types of IPR which in turn will ignite their intellectual thoughts.
- b) The Program would be a right platform for motivating them to innovate and further transform their innovative ideas into Intellectual assets.
- c) The institution also benefits through this IPR awareness by marching ahead in the overall national ranking.

The learning outcomes of the activity:

After completion of the activity students will be able to

- a) Understand the concept of IPR
- b) Interpret how IPR can be used to conceptualize their ideas for the benefit of the Society at large
- c) Create a platform for the institution for creating an IPR knowledge hub.

No. of Students attended: 61

List of resources shared:

- 1. Format of No Objection Certificate from the institute.
- 2. Format of report to be submitted.
- 3. Sample documents required for filling copyright.



Conduction platform: Classroom (A302)

Assessment tool: Direct (Submitted 18 groups project idea for the copyright work)

Steps followed for effective implementation:

- 1. Explained importance of acquiring IPR.
- 2. Discussed the effective way of representing idea to be copyrighted.
- 3. Students completed the task given in the session itself.
- 4. Faculty coordinator have modified and checked the documents required
- 5. Submitted 18 ideas in the groups to IPR office.

Details for student submission: (Attached separately answer sheets)

Process followed for performance Evaluation:

Roll No.	Name of Student	Idea title copyrighted (Submitted)	
SE23202	ALEX VIRENDRA SAKHA		
SE23205	APAR RIDDHI RAVINDRA	Portable Digital IC Tester	
SE23208	BHAMARE NIMISHA NIMBA		
SE23204	ANSARI MOHD NOOR ALAM		
SE23207	BAIRAGI PRANJAL SANTOSH	Color Detecting Car	
SE23209	BHANGALE MIHIR HITENDRA		
SE23206	ATHARVA VISHWAS DALVI		
SE23212	BOBADE TANMAY GAJANAN	Geofencing	
SE23214	CHASKAR SUIT SIVAJI		
SE23210	BHOR SAYALI SAMPAT		
SE23213	BORSE PRAKRUTI PRAVIN	Solar Tracking System	
SE23218	DARKUNDE ADITI D		
SE23211	BIJWE PAURAVI VINOD		
SE23216	CHAVAN ANISHA PRAKASH	Illumination Information Monitor	
SE23217	DANAO YASHASWI VINOD		
SE23223	GAWAI APURV MOHAN	1	
SE23225	ILHE SAHIL KACHESHWAR	Boolean Algebra Calculator	
SE23227	JADHAV GAURI PRABHAKAR		
SE23224	GOSAVI VEDANT MANGESH		
SE23226	JADHAV ASMITA KIRAN	SDP	
SE23229	JAURKAR NARAYANI MAHESH		
SE23221	DHWANI SANJAY PATEL		
SE23222	GANGURDE VAISHNAVI RAHUL	Motion Sensing Notice Board	
SE23220	DHUMANE GEETA AVINASH		
SE23228	JADHAV VISHWAJIT RAVINDRA		
SE23235	KHUSHAL RAVINDRA YADAV	Vehicle Pollution Monitoring	
SE23236	KOLHE ARNAV VIJAY		
SE23231	KAHAAN SHAH	E-ReBook	
SE23233	KAWLE ANIRUDDH ANANT		
SE23234	KHARAT RITESH VIJAY		
SE23244	MALVADKAR SUMER SHIRISH	Pello I	
SE23245	MASKE VAISHNAVI RUPSEN	Waste Segregation System	
SE23247	MOHITE PRATHMESH ANII	ö	

9141 + Pune

SE23238	KULKARNI ATHARV SANTOSH		
SE23239 KULKARNI CHAITANYA S		RPM Counter	
SE23242	LEKULE ADITYA PANJAB		
SE23240	KULKARNI SIDDHANT SUNIL	3D Hologram	
SE23249	MUTHE ASHWINI KISAN		
SE23255	RAUT ADITI ANIL		
SE23264	TANISHKA AJAY PAWAR	Pentype Digital Voltmeter	
SE23265	TEJAS PATIL		
SE23258	SHEDGE VAISHNAVI DEEPAK	Snuggle Seats	
SE23261	SOLANKEY KRISHNA MILIND		
SE23262	SURDE SANAYA SHAILESH		
SE23256	SARVESH DAYMA		
SE23257	SHANTANU DHANAJI KADAM Vending Machine		
SE23272	WALOKAR AYUSH NILESH		
SE23260	SHINDE VAIBHAVI RAOSAHEB		
SE23269	VARMA SHRUTI VIJAY	Electronics Snake and Ladder	
SE23270	VERMA SHRISTI KUMARI		
SE23266	TEKALE ADESH GOVIND	Interface Memory Card with Arduino to Store Data	
SE23268	VARALE SHRUTI YUVRAJ		
SE23271	WADGAONKAR TANVI S		

Feedback analysis of direct assessment: NA Average result: NA

Impact of the innovative practice:

- 1. The students understood the importance of IPR.
- 2. The participation was active.
- 3. It made impact for lifelong use and learning.

Reflective critiques for team assisted individualization:

- 1. Innovative thinking session and lectures are required.
- 2. Students approach toward research and development needs to diverted.

S. SVMller Jostap Aviolij

Signature of the Course Teacher



Hope Foundation's



International Institute of Information Technology P-14, Rajiv Gandhi Info Tech Park, Phase – 1, Hinjawadi, Pune – 411 057

Department of Electronics & Telecommunications

Poster Making

Academic Year and Semester: 2023-2024 Semester II Branch: E&TC Subject: Cellular Networks Day and Date: Thursday, 18th April 2024

Class: TE Subject code: 304192

Objectives of the activity:

- a) To learn and relearn concepts of cellular networks through engaging activity.
- b) To understand concepts and architectures of cellular technologies.
- c) To encourage Self-learning.

The learning outcomes of the activity:

After completion of the activity students will be able to

- a) Understand the fundamentals of the Mobile communication.
- b) Develop conducive environment for learning.
- c) Demonstrate the Self-learning ability of students.

No. of Students attended: 49

List of resources shared: Topic list is attached as separate sheet.

Conduction platform: Classroom (A301)

Assessment tool: Direct (10 marks for every correct answer)

Steps followed for effective implementation:

- 1. Total 5 Teams of 10 students
- 2. Detail explanation and presentation is excepted.
- 3. Time Bound was allotted.

Details for student submission: Took submission of poster in hard form. (Separate sheet is attached as proof from the link)



Topic allotted:

Roll No.	Name of Student	Topics allotted	Roll No.	Name of Student	Topics allotted
TE23201	SMRUTI RAMCHANDRA AWATE	GSM	TE23247	PRATIK SANTU HALKUNDE	
TE23202	VAIBHAV PURUSHOTTAM BADHE		TE23248	HARSHIT RISHI PANDE	
TE23203	HARSH MUKESHBHAI BHARDWAJ		TE23249	TANMAY SANDESH KENDRE	
TE23204	GOURI SANDEEP BHOYAR		TE23250	GANESH SHIVKUMAR KESARKAR	Hata Okumura Model
TE23205	TANVI ANIL CHAVAN		TE23251	RHUTUJA PRASHANT KHANDARE	
TE23206	ATISH ASHOK DESAI		TE23252	SANIKA SANJAY LONKAR	
TE23207	SIDDHIKA SANTOSH GADGIL		TE23253	MANAS YOGESH MAINDE	
TE23208	ISHANT CHHOTUKUMAR GADHAVE		TE23254	RIYA MANISH MANANI	
TE23209	HRISHIKESH GORAKH AUTI		TE23255	RITESH RAJENDRA MANDAVGAD	
TE23210	ADITI DIGAMBAR JATAL		TE23256	MANGESH RAJABHAU GAIKWAD	
TE23211	SOHAM CHANDRASHEKHAR JOSHI		TE23257	JHANVI UDAY OZA	
TE23212	SHRAVANI PRASHANT KAPADNIS		TE23258	HARSHADA SUNIL PANSARE	
TE23213	MANDIRA BABULAL BAGLE		TE23259	DISHANT MOHAN PATIL	
TE23214	DANISH ROHIDAS MANE		TE23260	MANDAR SANTOSHRAO PATIL	
TE23215	RESHMA NAVNATH NAWALE		TE23261	ATHARVA SHASHIKANT PAWAR	
TE23216	NUZHAT ABDUS SALAM INAMDAR		TE23262	SAYYAM RAHUL CHORDIYA	
TE23217	SHRUSHTI VISHWANBAR PAWAR		TE23263	SANIKA SANDESH SHINDE	
TE23218	ASHWINI RAJARAM RASAL		TE23264	SNEHAL RAIENDRA SHINDE	
TE23210			TE23265	SWAPNIL LITTAM SHINDE	-
TE23220	SAMRUDDHI DHANANIAY BHADANE		TE23266	VISHAKHA SANIFEV SHINDE	Link Budget Analysis
TE23221	ISHITA SRIVASTAVA		TE23267	SIDDHANT VALUE DHONGDE	
TE23227	SUVASH PARAG KARNAD		TE23267	HARSH SUNIL SONGIRE	
TE23222	SWAPNIL SHANTINATH SATPLITE		TE23260	AADITI SUIAYKUMAR WAYSE	
TE23224	PRATIK SANIAY TARFE		TE23270	VUVRALSINGH	
TE23225	DIPAK SANIAY URADE		TE23270	VIDHI DINESH ZAWAR	
TE23226	KANYA RAMCHANDRA UTTEKAR	LTE	TE23277	ANIKET BALAILRATHOD	
TE23227	AKASH ARUN WAGHMARE		11/4/2/4		
TE23227					
TE23220	ANIKET AMOL BASWADE				
TE23230	NISCHAL RAHUL CHAUDHARI				1 7
TE23230	PRATHMESH ANANT TARKE				
TE2222					
TE22222	RUHLHEMANT ARCHODE	(1			
TE23233	SHUBHAM SUDESH ATHANE				
TE23234	ATHARVA SACHIN KHARE				
TE23235	KHUSHI ABHAY BAFANA				
TE23230	VASH MANOL BANKAD				
TE22237	LIMPNATH WYANK AT DANGODE	GPRS			ter ter men
TE23230					
TE23239	TELAS CHANDRAKANT CHAKOTE				
TE23240	SOHAM DANDURANG CHAVAN				
TE23241	SUIDHAM SUDIX ANT DUA CALE				
TE23242	FALGIN HEMANT DATU			offine	
TE22243	DARSHAN KISHOR CAUWAAD		- /	tute or morna	
TE23244	PACHAN VEEDENDDA COSAVI		13		
TE23243	RADRAY VEEKENDKA GUSAVI		Bal	I'IT all	-
1 E23240	FARAO BHIMRAJ GUNDAL	Shine and the		S.	

Process followed for performance Evaluation:

The total marks distribution was

- 1. 10 Marks for poster
- 2. 10 Marks for presentation

Roll No.	Name of Student	Marks Obtained	Roll No.	Name of Student	Marks Obtained
TE23201	SMRUTI RAMCHANDRA AWATE	18	TE23237	YASH MANOJ BANKAR	17
TE23202	VAIBHAV PURUSHOTTAM BADHE	AB	TE23238	LIMBNATH VYANKAT BANSODE	AB
TE23203	HARSH MUKESHBHAI BHARDWAJ	AB	TE23239	ADITYA MAHADEV BIRADAR	18
TE23204	GOURI SANDEEP BHOYAR	20	TE23240	TEJAS CHANDRAKANT CHAKOTE	AB
TE23205	TANVI ANIL CHAVAN	AB	TE23241	SOHAM PANDURANG CHAVAN	15
TE23206	ATISH ASHOK DESAI	AB	TE23242	SHUBHAM SHRIKANT DHAGALE	16
TE23207	SIDDHIKA SANTOSH GADGIL	17	TE23243	FALGUN HEMANT PATIL	AB
TE23208	ISHANT CHHOTUKUMAR GADHAVE	16	TE23244	DARSHAN KISHOR GAHIWAD	16
TE23209	HRISHIKESH GORAKH AUTI	AB	TE23245	RAGHAV VEERENDRA GOSAVI	17
TE23210	ADITI DIGAMBAR JATAL	AB	TE23246	PARAG BHIMRAJ GUNDAL	18
TE23211	SOHAM CHANDRASHEKHAR JOSHI	14	TE23247	PRATIK SANTU HALKUNDE	18
TE23212	SHRAVANI PRASHANT KAPADNIS	18	TE23248	HARSHIT RISHI PANDE	AB
TE23213	MANDIRA BABULAL BAGLE	17	TE23249	TANMAY SANDESH KENDRE	18
TE23214	DANISH ROHIDAS MANE	AB	TE23250	GANESH SHIVKUMAR KESARKAR	17
TE23215	RESHMA NAVNATH NAWALE	15	TE23251	RHUTUJA PRASHANT KHANDARE	16
TE23216	NUZHAT ABDUS SALAM INAMDAR	AB	TE23252	SANIKA SANJAY LONKAR	15
TE23217	SHRUSHTI VISHWANBAR PAWAR	14	TE23253	MANAS YOGESH MAINDE	AB
TE23218	ASHWINI RAJARAM RASAL	16	TE23254	RIYA MANISH MANANI	16
TE23219	PALLAVI SAMPAT RASAL	17	TE23255	RITESH RAJENDRA MANDAVGAD	18
TE23220	SAMRUDDHI DHANANJAY BHADANE	19	TE23256	MANGESH RAJABHAU GAIKWAD	AB
TE23221	ISHITA SRIVASTAVA	AB	TE23257	JHANVI UDAY OZA	16
TE23222	SUYASH PARAG KARNAD	16	TE23258	HARSHADA SUNIL PANSARE	AB
TE23223	SWAPNIL SHANTINATH SATPUTE	AB	TE23259	DISHANT MOHAN PATIL	18
TE23224	PRATIK SANJAY TARFE	17	TE23260	MANDAR SANTOSHRAO PATIL	18
TE23225	DIPAK SANJAY URADE	AB	TE23261	ATHARVA SHASHIKANT PAWAR	17
TE23226	KANYA RAMCHANDRA UTTEKAR	14	TE23262	SAYYAM RAHUL CHORDIYA	19
TE23227	AKASH ARUN WAGHMARE	AB	TE23263	SANIKA SANDESH SHINDE	18
TE23228	ADITYA MADHAV YADAV	16	TE23264	SNEHAL RAJENDRA SHINDE	18
TE23229	ANIKET AMOL BASWADE	19	TE23265	SWAPNIL UTTAM SHINDE	17
TE23230	NISCHAL RAHUL CHAUDHARI	16	TE23266	VISHAKHA SANJEEV SHINDE	16
TE23231	PRATHMESH ANANT TARKE	14	TE23267	SIDDHANT YAJUR DHONGDE	15
TE23232	KSHITIJ MAHENDRA RAJGUDE	12	TE23268	HARSH SUNIL SONGIRE	14
TE23233	RUHI HEMANT ARGHODE	AB	TE23269	AADITI SUJAYKUMAR WAYSE	14
TE23234	SHUBHAM SURESH ATHANE	18	TE23270	YUVRAJ SINGH	AB
TE23235	ATHARVA SACHIN KHARE	AB	TE23271	VIDHI DINESH ZAWAR	18
TE23236	KHUSHI ABHAY BAFANA	16	TE23272	ANIKET BALAJI RATHOD	AB


Feedback analysis of direct assessment:

Average result: 17

Impact of the innovative practice:

- 1. The students prepared the key technology of wireless communication/mobile communication in a engaging fun type environment.
- 2. The participation was active.
- 3. It made impact for lifelong use and learning.

Reflective critiques for team assisted individualization:

- 1. The activity needs to be followed by quiz of complete class.
- 2. Changes for the next activity: Quiz should be planned to get individual student involvement and identify the impact of such teaching methodology.

101:10 Signature of the Course Tea





LTE basic nodes and interfaces







L



Hope Foundation's

International Institute of Information Technology, Pune DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

Innovative Practices in Teaching-Learning Flip Classroom Activity

Academic Year and Semester: AY 2023-24 Sem II Branch: E&TC Subject: Elective-VI: Digital Marketing Day and Date: Thursday, 04/04/2024

Class: BE Subject code: 404192D

Objectives of the activity:

- a) To adapt Innovative teaching learning methodology so as to obtain maximum
- involvement of every type of learner.
- b) To understand the concept of Affiliate Marketing.
- c) To encourage Self-learning.

The learning outcomes of the activity:

After completion of the activity students will be able to:

- a) Apply the knowledge of Digital Marketing to become an affiliate marketer to promote other brands. [Application]
- b) Demonstrate their Self-learning skill. [Application]

No. of Students attended: 59

List of resources shared: Video and blog link on the topic "Affiliate Marketing" from Unit VI- Upcoming Trends in Digital Marketing.

👻 🖪 Grigital Marketing BE 66/70 20. 🗴 🕂			- 0 X
 ← → C t: classroom.google.com/c/N(02/00/0Mzc2h) 	ADQr	日本會	D 7 0 :
Ø Gap Analyse Serves 🖸 COMP - daily dem. Ø EPP S Sway	ani Sentral 🚺 EASC - Gaogle Sha. 🛞 AICEF - SLA 🕐 Winatadep		C1 Alt Bookmarks
E Classroom > Digital Marketing			··· 🚳
Stream Classwork People	Marks		
22	Dr. Varsha Degaorikar 4 Apr (Edwa 4 Apr)	Ŧ	
	Dear studento,		
9 GI	Please watch the video and visit the blog on the topic "Affiliate Marketing" from Unit VI- Upcoming Trends in Digital Marketing		
•	List of contents:		
0	What is affiliate marketing?		
	s types of a tilfate marketing		
	Pros and cons of athlete marketing Why be an affiliate marketer?		
	How do affiliate marketers marke money?		
	Tips lice Affiliate Marketing Bocceus		
	Video Link: https://youtu.ba/wgc5.jg835EgPtarwBRech28DCLEr8tK		
	Bing Link: https://www.stiophy.com/abing/afailate-markeling		
	as of Inform		40
	and clease and the second seco	5×.	GB-
	3 3		
	E. Co		

* Pune

* Dights Nacketing & ELITC SS & +		- n ×
← → Ø Si dassroom poogie.com/c/N/	CO-DMax/MADINE	C & @ D L @ !
🕸 Sie konjue Sezio - 🔛 15519 - de y data - 🧿	F 💲 bearen Centre 🛗 FATC-Rooge Die. 🗃 WITE-FLA 💩 Volumeine	Ca Antersanaha
Classroom > Digital Max	សម័រស្ន និ Seco B	···· 🚳
G Stream Classwork	eogle Maria.	.
Class.code	1	
b2uvduy		
21	Dr. Vershe Degasrikar 3 Apr	1
Ch Upcoming	these shugedty,	
MU-4698, 22.4, 1945	you must have exchang the rides on the topic.	
(*)	/iew all Affiliate Marketing	
0	Fielde altertist the Golz unity the last hitps://forms.gie/XqGfyVcfmGonVz6F	
	Quiz- Affiliate Marketing http:///turns.gle/zgdzycztm5ci	
	2, I class comment	
	Dr. Varaha Dergaunkar 5.420 Gentle Reminden	
	Add class a construct	69

Conduction platform: Google Classroom

Assessment tool: Direct: Quiz on topic Affiliate Marketing (7 questions of total 10 marks) Steps followed for effective implementation:

1) Students are requested to watch the Video and visit the blog link which is shared on Google Classroom.

2) The idea is that the students should get more time in-classroom focusing on achieving Higher Order of Thinking Skills (HOTS). The facilitator will guide the students to practice the contents more effectively by some assessment.

3) Quiz is conducted in the next session on the topic to check the understanding of students.

4) Later the topic is revised in the session.

Details for student submission: Quiz Assignment on Google Classroom

heldhean e fan it hin it a staats Heldte munik aander Met Meeste nechtelijke en de teel te en ekke ee onder efte ee oppere nechte A. Klone of Bectlichtet i Nechte A. Klone of Bectlichtet i Nechte A. Klone of Bectlichtet i A. Angee of gement als betre A. Land fange en dagement staatsteg and rags	4 0000 * 0000 0000 * 0	 An interpretation of the exercision of the exercision of the particular of the exercision of the exercision
in dae munik serdar. 14 - 14 met werde Alleman fink, ist alle werde bij en oper offen en oppren. 14 met de Allema of Pac Studiet I 14 met de Allema of Pac Studiet I 14 Met dagement ist betre 14 Met dagement ist betre		Catter is nearbiting that for an an analysis Catter is nearbiting that for an
M * React web.385 Observitedus of the analytic or or, used of the reactions include & Nores of the Studient * (1) (1) (2) (2) (3) (4) (4) (4) (5) (5) (5) (5) (5) (5) (5) (5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	 J. Schlere specified summing profestion, Ones sign surgeritance Schler specified summing profestion, Ones sign surgeritance Schler specified surgeritance Schler specified surgeritance Schler surgeritance
al : Namer mediatelismen if will not it is enable to enable of it is experience include & Komer of the Statert I is in a set to a measurement of N A Name Appende Scheme R () performer mediateres	3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A second and a second s
Nanot web All Strate of the State of the weakly of the state of the regions include & Kone of the State of the State of the state of the State of the state of the state of the State of the State of the All All of the state of the state of the All State of appendix the state of		Any Lease and the data based of the Sector formers that management Sector formers that management Sector former and the sector product of an adversary Sector for the end of the sector product of the sector additional management product on the sector additional management products
sector & Kore of the Socker's . 		Any Line and Statute Load Anders 7. Sector have a structure and 2. The form and the sector produces and adversary 2. So (1) to need a diversify with and adversary 2. So (1) to need a diversify modern and adversary and a diffusion main totage modern and adversary. 1
nenthe A Nore of Re Sockers (1004 - A R & Kinstein managersg) (A) A have displaned to bene A) A post displaned to bene () portioner and sockers	000000000000000000000000000000000000000	(a) The provided and the set of the set o
Incident & Kalmel of Ped Student 1 (1975) Al Artise of approval science Al Artise of approval science Al Standardscience advances incoded by starlarge	0000	(2) The two maps come ground states and come (2) The constraint integration and comes (2) The constraint integration and comes and provide attractive train and provide states and provide provide attractive train and provide states attractive provide attractive train and provide states attractive provide attractive train attractive provide states attractive provide attractive train attractive provide states attractive provide attractive train attractive provide states attractive provide attractive provide states attractive provide states attractive provide states attractive provide states attractive provi
na a general e mangenge (* 14) A fan e di general schame A) E anderner na danas - maketeg ar stragg	0	ne da affante mar notes man senere) n 2 (a) to event afran sener productionem (a)
ar is National manageorgy (* 24) A Star of Against a Jamma 21) Landamar valance - substatus	0 10	(a) the set of the product one product one product of the set o
ar in Welling in Managemeng (* Al) A Nation of Applicant in Section Al) Is and Section and Association (a strating	14a 173	ner da afflikate men tellere melen interend i
an a leftimum muzzaning (* Al A Nore of Applement in Second B) Is an formation advance modeling, proving	ile U	verdu affiniste men niter men stoppy) *
Al A Year of applicant industries B) Is an formation and another instanting, strating	10	
8) It and a main advance matching starting		Y 478 months for the form
		7 A the second secon
Charact setting of products the a company.	0	 A set of the set of
g a new of ballcould also here a	0	 State on grap and state of a state on the state of the st
		A condition of the second se
affords to defining warrant		
at all one wants a last space base markets	W8	And of the following is 1000 from for Addient Mailening Decretary
In LAR star Bounds, tal products in party stars	0	2 Aluskeletitis advice
(2) Additional of the contract of the percent of the traction of the land of the	0	2 P2 Chelari (R) - apality pretruit (N) promain
In additions to make common to good his people. "In	0	2 El Chian Hausele current
	0	2 Ar Diae systemet with thefering treaster.
to 10 Min Rokowing in Mill T = 199 × 01 officiality in university of		int fast test
Area Parties (1991)		and the set of the set of the
Distanta (Brillin)		A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR
Diversion		Googe forms
70 Pag d'an Law (1996)		
	an of Infor	× · · · · · · · · · · · · · · · · · · ·
	adfaults mediating water * () additions water a hair canage bio muschang () additions material bio for the provide state () additions and the state canage bio muschang () additions are muschand bio for provide state state () additions are muschand bio for provide state () add	adfalls hudeblag watet. I sallsane wase a have gauge bas marehant. I sallsane wase a have gauge bas marehant. I sallsane wase a have gauge bas marehant. I sallsane sama wase a have gauge bas marehant. I sallsane sama wase a have a sallsane salls Sallsane sallsane sa

			100.00		1			a .	X
agy BackToKoKokG-Balance 1999 at 1948 2014 (Sector)			0, 1	à	88	Ø	±	0	
99 💲 Todywark Kentral 🕼 Battlin Gauge Tite. 👘 47735-174 🖉 Hittania							E2 4/	Social	1
	Ð	Ø		\$	s:t	-	×	1 6	Ģ
Guardiana Basagonara 🕲 Sections Inclusion 1									
Quiz- Affiliate Marketing									
0 I Y 0 T									
lear production									
this fear a status weak refusing weak feer at wareause. Only returns									
Pail number & Name of the Student 1									
1. BED ANT ALTE DARKO MILAG									
1 PE13202 ANNOT RAI SHARMA									
1. BELTED APARAL MARINA ARTICL	Ð								
4. BEZZER ARCOMERAUM MARCH	Ð								
4 RE22205 ATHAR/A EAGAR CHAINE	Tr								
4. BETATOS EXREXAR PROCE SUBERH	9								
	(F)								
	August Deale Deales and a service of the schedule of the sch	Alexandre S. Marce of the Student *	Alexandre S. Marca of the Student *	Ale S Statuen Centre III Editor - Congrestine III Antifer StA III III III III III III III III III I	Age 2020/02/02/02/02/02/02/02/02/02/02/02/02	Nay Bank Call Call Call Call Call Call Call Cal	Nay Bank CARCONS ALC-BALLUC- 4199 - CLAMES Dig (5-12)-45 ■ \$ Total and CLAMES Dig (5-12)- (1) - 4155 - 514 (1) - 6	Nage Bank Call Call And Strate of The Strat	Alexandre Statuent S

Process followed for performance Evaluation:

- Quiz on the topic Affiliate Marketing with 7 questions of total 10 marks is floated.
- Following is the list of students attempted the quiz with marks.

No.No.Name of the StudentMarksNo.Roll No.Name of the StudentMarks1BE23201Alte Shruti Vilas1031BE23241Nadarge Sakshi Ail72BE2302Ankir Raj Sharma732BE23241Parkhe Khushi Kiran63BE23205Atharva Sagar Chatur734BE23241Parkhe Khushi Kiran65BE23206Baravkar Piyush Suresh735BE23241Patil Vaishali Umakant106BE23207Bari Sakshi Sunil1036BE23242Ravi Yash Yogiraj107BE23208Bhure Rupesh Datta737BE23246Rathod Abhishek Dilip98BE23211Dayma Giriraj Manish1039BE23248Rishab Kar Chaudhuri1010BE23217Giriyal Atharva Jagadish842BE23250Sanskruti D Patond711BE23218Godase Abhinesh Mohan1043BE23253Sathe Sayali Kailas1013BE23224Kadam Bhakti Bhagwan1044BE23253Sathe Sayali Kailas1014BE23218Godase Abhinesh Mohan1044BE23255Sherekar Yash Ravindra617BE23224Kadam Bhakti Bhagwan1044BE23255Sherekar Yash Ravindra618BE23225Khara Bagini1045BE23255Sherekar Yash Ravindra619BE23226Khadam Bhakti Bhagwan10	Sr.	Roll				Sr.			
1BE23201Alte Shruti Vilas1031BE23240Nadarge Sakshi Anil72BE23202Ankit Raj Sharma732BE23241Parkhe Khushi Kiran63BE23203Apurva Santosh Apune633BE23242Patil Anushree Umesh94BE23205Atharva Sagar Chatur734BE23243Patil Digvijay Raviraj65BE23206Baravkar Piyush Suresh735BE23243Patil Digvijay Raviraj106BE23207Bari Sakshi Sunil1036BE23243Rati Digvijay Raviraj107BE23208Bhure Rupesh Datta737BE23248Raitod Abhishek Dilip98BE23211Dayma Giriraj Manish1036BE23248Raitod Abhishek Dilip99BE23212Desai Gauri Sanjay1040BE23248Raitol Abhishek Dilip1011BE23216Ghatol Amit Sanjay741BE23250Sanskruti D Patond712BE23217Giriyal Atharva Jagadish842BE23253Sartha Gugtas1013BE23228Kadam Atharv Yogesh945BE23254Satpute Tejas Sambhaji916BE23221Kadam Atharv Yogesh945BE23255Shirke Kalpesh C1018BE23224Kaharad Deep Rajendra945BE23255Shirke Kalpesh C1019BE23225Khangal Dhanashree G945<	No.	No.	Name of the Student	Marks		No.	Roll No.	Name of the Student	Marks
2BE23202Ankit Raj Sharma732BE23211Parkhe Khushi Kiran63BE23205Apurva Santosh Apune633BE23242Patil Anushree Umesh94BE23205Atharva Sagar Chatur734BE23242Patil Anushree Umesh95BE23206Baravkar Piyush Suresh735BE23244Patil Vaishali Umakant106BE23207Bari Sakshi Sunil1036BE23245Rane Yash Yogiraj107BE23208Bhure Rupesh Datta737BE23246Rathod Abhishek Dilip98BE23211Dayma Giriraj Manish1039BE23248Rishab Kar Chaudhuri100BE23212Desai Gauri Sanjay1040BE23249Sakshi Ulhas Patil1011BE23216Ghatol Amit Sanjay741BE23250Sanskruti D Patond712BE23217Giriyal Atharva Jagadish842BE23251Sardar Anurag Prabir1013BE23218Jedmang Amritil Jain1044BE23253Sathe Sayali Kailas1014BE23224Kanawade Deep Rajendra947BE23256Shinde Aakanksha Balaji1015BE23224Kanagal Dhanashree G948BE23257Shirke Kalpesh C1019BE23228Khot Shrishail Sanjay751BE23264Thakare Rupesh Jadhao1021BE23224Kanagal Dhanashree G9 <td>1</td> <td>BE23201</td> <td>Alte Shruti Vilas</td> <td>10</td> <td></td> <td>31</td> <td>BE23240</td> <td>Nadarge Sakshi Anil</td> <td>7</td>	1	BE23201	Alte Shruti Vilas	10		31	BE23240	Nadarge Sakshi Anil	7
3BE23203Apurva Santosh Apune633BE23242Patil Anushree Umesh94BE23205Atharva Sagar Chatur7734BE23243Patil Digvijay Raviraj65BE23206Baravkar Piyush Suresh7736BE23244Patil Vaishali Umakant106BE23207Bari Sakshi Sunil1036BE23242Rathod Abhishek Dilip98BE23209Bhure Rupesh Datta737BE23246Rathod Abhishek Dilip99BE23211Dayma Giriraj Manish1039BE23242Ravi Prakash1010BE23212Desai Gauri Sanjay1040BE23249Sakshi Ulhas Patil1011BE23216Godase Abhinesh Mohan1041BE23251Sardar Anurag Prabir1013BE23217Giriyal Atharva Jagadish8BE23252Sarthak Gupta1014BE23219Hemang Amrital Jain1044BE23253Sathe Sayali Kailas1015BE23225Kadam Atharv Yogesh945BE23254Satpute Tejas Sambhaji916BE23224Kanawade Deep Rajendra947BE23256Shirke Kalpesh C1019BE23226Khangal Nikita Vitthal1044BE23256Shirke Kalpesh C1019BE23227Khot Shrishail Sanjay751BE23266Shirkar Yash Rajii622BE23229Kodag Sarthak Mahendra <t< td=""><td>2</td><td>BE23202</td><td>Ankit Raj Sharma</td><td>7</td><td></td><td>32</td><td>BE23241</td><td>Parkhe Khushi Kiran</td><td>6</td></t<>	2	BE23202	Ankit Raj Sharma	7		32	BE23241	Parkhe Khushi Kiran	6
4BE23205Atharva Sagar Chatur734BE23243Patil Digvijay Raviraj65BE23206Baravkar Piyush Suresh735BE23244Patil Vaishali Umakant106BE23207Bari Sakshi Sunil1036BE23245Rane Yash Yogiraj107BE2308Bhure Rupesh Datta737BE23246Rathod Abhishek Dilip98BE23209Bhure Vyankat Achyute638BE23247Ravi Prakash109BE23211Dayma Giriraj Manish10039BE23248Rishab Kar Chaudhuri1010BE23212Desai Gauri Sanjay741BE23250Sanskruti D Patond711BE23218Godase Abhinesh Mohan1044BE23253Sarhe Sayali Kailas1013BE23218Kadam Atharv Jagadish842BE23254Sathe Sayali Kailas1014BE23219Hemang Amrital Jain1044BE23255Sarhe Sayali Kailas1015BE23224Kadam Atharv Yogesh945BE23255Sherekar Yash Ravindra616BE23225Khamgal Nikita Vitthal1049BE23256Shinde Aakanksha Balaji1019BE23226Khamgal Nikita Vitthal1049BE23256Shinde Aakanksha Balaji1020BE23227Khole Dhananjay Vivek950BE23264Thakare Rupesh Vijay721BE23238Khot Shrishail Sanjay<	3	BE23203	Apurva Santosh Apune	6		33	BE23242	Patil Anushree Umesh	9
5BE23206Baravkar Piyush Suresh735BE23244Patil Vaishali Umakant106BE23207Bari Sakshi Sunil1036BE23245Rane Yash Yogiraj107BE23208Bhure Rupesh Datta737BE23246Rathod Abhishek Dilip98BE23201Dayna Giriraj Manish1039BE23247Ravi Prakash1010BE23212Desai Gauri Sanjay1040BE23248Sakshi Uhas Patil1011BE23216Ghatol Amit Sanjay741BE23250Sanskruti D Patond712BE23217Giriyal Atharva Jagadish842BE23251Sardar Anurag Prabir1013BE23218Godase Abhinesh Mohan1044BE23253Sathe Sarpute Tejas Sambhaji914BE23212Kadam Atharv Yogesh945BE23254Satpute Tejas Sambhaji915BE23225Khamgal Dhanashree G948BE23255Shirde Aakanksha Balaji1019BE23228Khot Shrishail Sanjay751BE23264Thakare Rupesh Vijay720BE23229Jodaga strhak Mahendra1053BE23264Thakare Rupesh Vijay721BE23229Kodag Sarthak Mahendra1053BE23264Thakare Rupesh Vijay722BE23229Kodag Sarthak Mahendra1053BE23264Thakare Rupesh Vijay723BE23239Maharaj Shubham	4	BE23205	Atharva Sagar Chatur	7		34	BE23243	Patil Digvijay Raviraj	6
6BE23207Bari Sakshi Sunil1036BE23245Rane Yash Yogiraj107BE23208Bhure Rupesh Datta737BE23246Rathod Abhishek Dilip98BE23209Bhure Vyankat Achyute638BE23247Ravi Prakash109BE23211Dayma Giriraj Manish1039BE23248Rishab Kar Chaudhuri1010BE23212Desai Gauri Sanjay1040BE23249Sakshi Ulhas Patil1011BE23216Ghatol Amit Sanjay741BE23250Sanskruti D Patond712BE23218Godase Abhinesh Mohan1044BE23251Sardar Anurag Prabir1014BE23219Hemang Amritlal Jain1044BE23253Sathe Sayali Kailas1015BE23221Kadam Atharv Yogesh945BE23254Satpute Tejas Sambhaji916BE23222Kadam Bhakti Bhagwan1044BE23255Shirde Aakanksha Balaji1018BE23225Khangal Dhanashree G945BE23256Shirde Aakanksha Balaji1019BE23226Khole Dhananjay Vivek950BE23264Thakare Rupesh Vijay722BE2323Maharaj Shubham K1053BE23264Thakare Rupesh Vijay722BE2323Malegavi Prajwal Ashok1053BE23271Yash Yash Maqi623BE23234Mandik Gauri Pravin956	5	BE23206	Baravkar Piyush Suresh	7		35	BE23244	Patil Vaishali Umakant	10
7BE23208Bhure Rupesh Datta737BE23246Rathod Abhishek Dilip98BE23209Bhure Vyankat Achyute638BE23247Ravi Prakash109BE23211Dayma Giriraj Manish1039BE23248Rishab Kar Chaudhuri1010BE23212Desai Gauri Sanjay1040BE23249Sakshi Ulhas Patil1011BE23216Ghatol Amit Sanjay741BE23250Sanskruti D Patond712BE23217Giriyal Atharva Jagadish842BE23251Sardar Anurag Prabir1014BE23218Godase Abhinesh Mohan1044BE23253Sardar Anurag Prabir1014BE23221Kadam Atharv Yogesh945BE23254Sathe Sayali Kailas1015BE23222Kadam Bhakti Bhagwan1044BE23255Sherekar Yash Ravindra617BE23224Kanawade Deep Rajendra945BE23256Shinde Aakanksha Balaji1018BE23225Khamgal Nikita Vitthal1049BE23258Shivagi Santosh Jadhao1019BE23228Khole Dhananjay Vivek950BE23264Thakare Rupesh Vijay722BE2323Malegavi Prajwal Ashok1053BE23264Varun Suresh Gupta623BE23234Malayade Meghan Nitin756BE23271Yash Yash Maji624BE23235Mane Neha Sambhaji <t< td=""><td>6</td><td>BE23207</td><td>Bari Sakshi Sunil</td><td>10</td><td></td><td>36</td><td>BE23245</td><td>Rane Yash Yogiraj</td><td>10</td></t<>	6	BE23207	Bari Sakshi Sunil	10		36	BE23245	Rane Yash Yogiraj	10
8BE23209Bhure Vyankat Achyute638BE23247Ravi Prakash109BE23211Dayma Giriraj Manish1039BE23248Rishab Kar Chaudhuri1010BE23212Desai Gauri Sanjay1040BE23249Sakshi Ulhas Patil1011BE23216Ghatol Amit Sanjay741BE23250Sanskruti D Patond712BE23217Giriyal Atharva Jagadish842BE23251Sardar Anurag Prabir1013BE23218Godase Abhinesh Mohan1044BE23252Sardar Anurag Prabir1014BE23212Kadam Atharv Yogesh945BE23253Sathe Sayali Kailas1015BE23224Kanawade Deep Rajendra946BE23255Sherekar Yash Ravindra617BE23225Khamgal Dhanashree G948BE23257Shirke Kalpesh C1019BE23228Khot Shrishail Sanjay751BE23264Thakare Rupesh Vijay720BE23231Maharaj Shubham K1053BE23265Umbarkar Yash Rajiv623BE23233Malavade Meghna Nitin754BE23274Yash gradi Mili Kabral726BE23235Mane Neha Sambhaji1056BE23274Yash gradi Mili Kabral727BE23235Mane Neha Sambhaji1056BE23274Yash gradi Mili Kabral726BE23235Mane Neha Sambhaji10<	7	BE23208	Bhure Rupesh Datta	7		37	BE23246	Rathod Abhishek Dilip	9
9BE23211Dayma Giriraj Manish1039BE23248Rishab Kar Chaudhuri1010BE23212Desai Gauri Sanjay1040BE23249Sakshi Ulhas Patil1011BE23216Ghatol Amit Sanjay741BE23250Sanskruti D Patond712BE23217Giriyal Atharva Jagadish842BE23251Sardar Anurag Prabir1013BE23218Godase Abhinesh Mohan1043BE23252Sarthak Gupta1014BE23219Hemang Amritlal Jain1044BE23253Sathe Sayali Kailas1015BE23221Kadam Atharv Yogesh945BE23254Satpute Tejas Sambhaji916BE23222Kadam Bhakti Bhagwan1044BE23255Sherekar Yash Ravindra617BE23224Kanawade Deep Rajendra945BE23256Shinde Aakanksha Balaji1018BE23225Khamgal Nikita Vitthal1049BE23256Shirke Kalpesh C1019BE23226Khot Shrishail Sanjay751BE23264Thakare Rupesh Vijay722BE23229Kodag Sarthak Mahendra1052BE23265Umbarkar Yash Rajiv623BE23223Malavaé Meghan Nitin756BE23271Yash Pradip Jagtap724BE23234Mandlik Gauri Pravin956BE23274Zahra Jaweed Amin1025BE23235Mane Neha Sambhaji	8	BE23209	Bhure Vyankat Achyute	6		38	BE23247	Ravi Prakash	10
10BE23212Desai Gauri Sanjay1040BE23249Sakshi Ulhas Patil1011BE23216Ghatol Amit Sanjay741BE23250Sanskruti D Patond712BE23217Giriyal Atharva Jagadish842BE23251Sardar Anurag Prabir1013BE23218Godase Abhinesh Mohan1043BE23252Sardar Anurag Prabir1014BE23219Hemang Amritlal Jain1044BE23253Sathe Sayali Kailas1015BE23221Kadam Atharv Yogesh945BE23255Sherekar Yash Ravindra617BE23224Kanawade Deep Rajendra947BE23256Shinde Aakanksha Balaji1018BE23225Khamgal Dhanashree G948BE23257Shirke Kalpesh C1019BE23226Khamgal Nikita Vitthal1049BE23262Surana Smruti Sunil1020BE23227Khole Dhananjay Vivek950BE23262Surana Smruti Sunil1021BE23228Khot Shrishail Sanjay751BE23266Varun Suresh Gupta623BE23231Maharaj Shubham K1053BE23266Varun Suresh Gupta624BE23232Malegari Prajwal Ashok1053BE23276Varun Suresh Gupta625BE23233Malegari Prajwal Ashok1057BE23271Yash Sndip D Chandel726BE23235Mane Neha Sambhaji<	9	BE23211	Dayma Giriraj Manish	10	1	39	BE23248	Rishab Kar Chaudhuri	10
11BE23216Ghatol Amit Sanjay741BE23250Sanskruti D Patond712BE23217Giriyal Atharva Jagadish842BE23251Sardar Anurag Prabir1013BE23218Godase Abhinesh Mohan1043BE23252Sarthak Gupta1014BE23219Hemang Amritlal Jain1044BE23253Sathe Sayali Kailas1015BE23221Kadam Atharv Yogesh945BE23255Sherekar Yash Ravindra617BE23224Kanawade Deep Rajendra947BE23256Shinde Aakanksha Balaji1018BE23225Khamgal Dhanashree G948BE23257Shirke Kalpesh C1019BE23226Khamgal Nikita Vitthal1049BE23268Shivangi Santosh Jadhao1020BE23227Khole Dhananjay Vivek950BE23262Surana Smruti Sunil1021BE23228Khot Shrishail Sanjay751BE23265Umbarkar Yash Rajiv622BE23231Maharaj Shubham K1053BE23266Varun Suresh Gupta623BE23233Malegavi Prajwal Ashok1055BE23271Yash Pradip Jagtap726BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj1057BE23274Zahra Jaweed Amin1029BE23238Mrunmai Kulkarni10<	10	BE23212	Desai Gauri Sanjay	10		40	BE23249	Sakshi Ulhas Patil	10
12BE23217Giriyal Atharva Jagadish842BE2321Sardar Anurag Prabir1013BE23218Godase Abhinesh Mohan1043BE2325Sardar Anurag Prabir1014BE23219Hemang Amritlal Jain1044BE2325Sathe Sayali Kailas1015BE23221Kadam Atharv Yogesh945BE2325Sathe Sayali Kailas1016BE23222Kadam Bhakti Bhagwan1046BE2325Sherekar Yash Ravindra617BE2324Kanawade Deep Rajendra947BE2325Shinde Aakanksha Balaji1018BE2325Khamgal Dhanashree G948BE2325Shirke Kalpesh C1019BE23226Khamgal Nikita Vitthal1049BE2328Shivangi Santosh Jadhao1020BE2327Khole Dhananjay Vivek950BE2326Surana Smruti Sunil1021BE2328Khot Shrishail Sanjay751BE2326Umbarkar Yash Rajiv622BE2323Malayade Meghna Nitin754BE2326Wagh Om Nilesh623BE2323Malagavi Prajwal Ashok1057BE2327Yash radip Jagtap726BE2323Mane Neha Sambhaji1057BE2327Yash radip Jawed Amin1028BE2323Mishra Yash Manoj1057BE2327Yash radip Amin1029BE2328Mrunmai Kulkarni7058 </td <td>11</td> <td>BE23216</td> <td>Ghatol Amit Sanjay</td> <td>7</td> <td></td> <td>41</td> <td>BE23250</td> <td>Sanskruti D Patond</td> <td>7</td>	11	BE23216	Ghatol Amit Sanjay	7		41	BE23250	Sanskruti D Patond	7
13BE23218Godase Abhinesh Mohan1043BE23252Sarthak Gupta1014BE23219Hemang Amritlal Jain1044BE23253Sathe Sayali Kailas1015BE23221Kadam Atharv Yogesh945BE23254Satpute Tejas Sambhaji916BE23222Kadam Bhakti Bhagwan1046BE23255Sherekar Yash Ravindra617BE23224Kanawade Deep Rajendra947BE23256Shinde Aakanksha Balaji1018BE23225Khangal Dhanashree G948BE23257Shirke Kalpesh C1019BE23226Khangal Nikita Vitthal1049BE23258Shivangi Santosh Jadhao1020BE23227Khole Dhananjay Vivek950BE23262Surana Smruti Sunil1021BE23228Khot Shrishail Sanjay751BE23264Thakare Rupesh Vijay722BE23229Kodag Sarthak Mahendra1053BE23266Varun Suresh Gupta623BE23231Maharaj Shubham K1053BE23268Wagh Om Nilesh624BE23233Malegavi Prajwal Ashok1055BE23271Yash Sradip Jagtap726BE23234Mandlik Gauri Pravin956BE23272Yashingh D Chandel727BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj	12	BE23217	Giriyal Atharva Jagadish	8	1	42	BE23251	Sardar Anurag Prabir	10
14BE23219Hemang Amritlal Jain1044BE23253Sathe Sayali Kailas1015BE23221Kadam Atharv Yogesh945BE23254Satpute Tejas Sambhaji916BE23222Kadam Bhakti Bhagwan1046BE23255Sherekar Yash Ravindra617BE23224Kanawade Deep Rajendra947BE23256Shinde Aakanksha Balaji1018BE23225Khangal Dhanashree G948BE23257Shirke Kalpesh C1019BE23226Khangal Nikita Vitthal1049BE23258Shivangi Santosh Jadhao1020BE23227Khole Dhananjay Vivek950BE23262Surana Smruti Sunil1021BE23228Khot Shrishail Sanjay751BE23264Thakare Rupesh Vijay722BE23231Maharaj Shubham K1053BE23266Varun Suresh Gupta623BE23232Malavade Meghna Nitin754BE23268Wagh Om Nilesh624BE23233Malegavi Prajwal Ashok1057BE23271Yash singh D Chandel726BE23234Mandlik Gauri Pravin956BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj1058BE23274Zahra Jaweed Amin1029BE2328Mrunmai Kulkarni1058BE23275Mali Virendra830BE2329Mujawar Salman Babulal10 </td <td>13</td> <td>BE23218</td> <td>Godase Abhinesh Mohan</td> <td>10</td> <td>1</td> <td>43</td> <td>BE23252</td> <td>Sarthak Gupta</td> <td>10</td>	13	BE23218	Godase Abhinesh Mohan	10	1	43	BE23252	Sarthak Gupta	10
15BE23221Kadam Atharv Yogesh945BE23254Satpute Tejas Sambhaji916BE23222Kadam Bhakti Bhagwan1046BE23255Sherekar Yash Ravindra617BE23224Kanawade Deep Rajendra947BE23256Shinde Aakanksha Balaji1018BE23225Khamgal Dhanashree G948BE23257Shirke Kalpesh C1019BE23226Khamgal Nikita Vitthal1049BE23258Shivangi Santosh Jadhao1020BE23227Khole Dhananjay Vivek950BE23262Surana Smruti Sunil1021BE23228Khot Shrishail Sanjay751BE23264Thakare Rupesh Vijay722BE23231Maharaj Shubham K1052BE23265Umbarkar Yash Rajiv623BE23232Malavade Meghna Nitin754BE23268Wagh Om Nilesh624BE23234Mandlik Gauri Pravin956BE23271Yash Pradip Jagtap726BE23234Mandlik Gauri Pravin956BE23272Yashsingh D Chandel727BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj1058BE23274Zahra Jaweed Amin1029BE23238Mrunmai Kulkarni404053BE23275Mali Virendra830BE23239Mujawar Salman Babulal <t< td=""><td>14</td><td>BE23219</td><td>Hemang Amritlal Jain</td><td>10</td><td>1</td><td>44</td><td>BE23253</td><td>Sathe Sayali Kailas</td><td>10</td></t<>	14	BE23219	Hemang Amritlal Jain	10	1	44	BE23253	Sathe Sayali Kailas	10
16BE23222Kadam Bhakti Bhagwan1046BE23255Sherekar Yash Ravindra617BE23224Kanawade Deep Rajendra947BE23256Shinde Aakanksha Balaji1018BE23225Khamgal Dhanashree G948BE23257Shirke Kalpesh C1019BE23226Khamgal Nikita Vitthal1049BE23258Shivangi Santosh Jadhao1020BE23227Khole Dhananjay Vivek950BE23262Surana Smruti Sunil1021BE23228Khot Shrishail Sanjay751BE23264Thakare Rupesh Vijay722BE23231Maharaj Shubham K1052BE23265Umbarkar Yash Rajiv623BE23232Malavade Meghna Nitin754BE23268Wagh Om Nilesh624BE23234Mandlik Gauri Pravin956BE23271Yash Pradip Jagtap726BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj1058BE23274Zahra Jaweed Amin1029BE23238Mrunmai Kulkarni1058BE23275Mali Virendra830BE23239Mujawar Salman Babulal4040404040	15	BE23221	Kadam Atharv Yogesh	9	1	45	BE23254	Satpute Tejas Sambhaji	9.
17BE23224Kanawade Deep Rajendra947BE23256Shinde Aakanksha Balaji1018BE23225Khamgal Dhanashree G948BE23257Shirke Kalpesh C1019BE23226Khamgal Nikita Vitthal1049BE23258Shivangi Santosh Jadhao1020BE23227Khole Dhananjay Vivek950BE23262Surana Smruti Sunil1021BE23228Khot Shrishail Sanjay751BE23264Thakare Rupesh Vijay722BE23231Maharaj Shubham K1052BE23266Varun Suresh Gupta623BE23232Malavade Meghna Nitin754BE23268Wagh Om Nilesh624BE23234Mandlik Gauri Pravin956BE23271Yash Pradip Jagtap726BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj1058BE23274Zahra Jaweed Amin1029BE23238Mrunmai Kulkarni1059BE23275Mali Virendra830BE23239Mujawar Salman Babulal4040404040	16	BE23222	Kadam Bhakti Bhagwan	10		46	BE23255	Sherekar Yash Ravindra	6
18BE23225Khamgal Dhanashree G948BE23257Shirke Kalpesh C1019BE23226Khamgal Nikita Vitthal1049BE23258Shivangi Santosh Jadhao1020BE23227Khole Dhananjay Vivek950BE23262Surana Smruti Sunil1021BE23228Khot Shrishail Sanjay751BE23264Thakare Rupesh Vijay722BE23229Kodag Sarthak Mahendra1052BE23265Umbarkar Yash Rajiv623BE23231Maharaj Shubham K1053BE23266Varun Suresh Gupta624BE23232Malavade Meghna Nitin754BE23268Wagh Om Nilesh625BE23234Mandlik Gauri Pravin956BE23271Yash Pradip Jagtap726BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj1058BE23274Zahra Jaweed Amin1029BE23238Mrunmai Kulkarni1059BE23275Mali Virendra830BE23239Mujawar Salman Babulal404040404040	17	BE23224	Kanawade Deep Rajendra	9		47	BE23256	Shinde Aakanksha Balaji	10
19BE23226Khamgal Nikita Vitthal1049BE23258Shivangi Santosh Jadhao1020BE23227Khole Dhananjay Vivek950BE23262Surana Smruti Sunil1021BE23228Khot Shrishail Sanjay751BE23264Thakare Rupesh Vijay722BE23229Kodag Sarthak Mahendra1052BE23265Umbarkar Yash Rajiv623BE23231Maharaj Shubham K1053BE23266Varun Suresh Gupta624BE23232Malavade Meghna Nitin754BE23268Wagh Om Nilesh625BE23233Malegavi Prajwal Ashok1055BE23271Yash Pradip Jagtap726BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj1058BE23274Zahra Jaweed Amin1029BE23238Mrunmai Kulkarni1059BE23275Mali Virendra830BE23239Mujawar Salman Babulal4040404040	18	BE23225	Khamgal Dhanashree G	9		48	BE23257	Shirke Kalpesh C	10
20BE23227Khole Dhananjay Vivek950BE23262Surana Smruti Sunil1021BE23228Khot Shrishail Sanjay751BE23264Thakare Rupesh Vijay722BE23229Kodag Sarthak Mahendra1052BE23265Umbarkar Yash Rajiv623BE23231Maharaj Shubham K1053BE23266Varun Suresh Gupta624BE23232Malavade Meghna Nitin754BE23268Wagh Om Nilesh625BE23233Malegavi Prajwal Ashok1055BE23271Yash Pradip Jagtap726BE23234Mandlik Gauri Pravin956BE23272Yashsingh D Chandel727BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23238Mrunmai Kulkarni1058BE23274Zahra Jaweed Amin1029BE23239Mujawar Salman Babulal4040404040	19	BE23226	Khamgal Nikita Vitthal	10	1	49	BE23258	Shivangi Santosh Jadhao	10
21BE23228Khot Shrishail Sanjay751BE23264Thakare Rupesh Vijay722BE23229Kodag Sarthak Mahendra1052BE23265Umbarkar Yash Rajiv623BE23231Maharaj Shubham K1053BE23266Varun Suresh Gupta624BE23232Malavade Meghna Nitin754BE23268Wagh Om Nilesh625BE23233Malegavi Prajwal Ashok1055BE23271Yash Pradip Jagtap726BE23234Mandlik Gauri Pravin956BE23272Yashsingh D Chandel727BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj1058BE23274Zahra Jaweed Amin1029BE23238Mrunmai Kulkarni1059BE23275Mali Virendra830BE23239Mujawar Salman Babulal40404040	20	BE23227	Khole Dhananjay Vivek	9		50	BE23262	Surana Smruti Sunil	10
22BE23229Kodag Sarthak Mahendra1052BE23265Umbarkar Yash Rajiv623BE23231Maharaj Shubham K1053BE23266Varun Suresh Gupta624BE23232Malavade Meghna Nitin754BE23268Wagh Om Nilesh625BE23233Malegavi Prajwal Ashok1055BE23271Yash Pradip Jagtap726BE23234Mandlik Gauri Pravin956BE23272Yashsingh D Chandel727BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj1058BE23274Zahra Jaweed Amin1029BE23238Mrunmai Kulkarni1059BE23275Mali Virendra830BE23239Mujawar Salman Babulal40405950SE23275	21	BE23228	Khot Shrishail Sanjay	7		51	BE23264	Thakare Rupesh Vijay	7
23BE23231Maharaj Shubham K1053BE23266Varun Suresh Gupta624BE23232Malavade Meghna Nitin754BE23268Wagh Om Nilesh625BE23233Malegavi Prajwal Ashok1055BE23271Yash Pradip Jagtap726BE23234Mandlik Gauri Pravin956BE23272Yashsingh D Chandel727BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj1058BE23274Zahra Jaweed Amin1029BE23238Mrunmai Kulkarni7059BE23275Mali Virendra830BE23239Mujawar Salman Babulal40757SE23275Mali Virendra8	22	BE23229	Kodag Sarthak Mahendra	10	1	52	BE23265	Umbarkar Yash Rajiv	6
24BE23232Malavade Meghna Nitin754BE23268Wagh Om Nilesh625BE23233Malegavi Prajwal Ashok1055BE23271Yash Pradip Jagtap726BE23234Mandlik Gauri Pravin956BE23272Yashsingh D Chandel727BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj1058BE23274Zahra Jaweed Amin1029BE23238Mrunmai Kulkarni1059BE23275Mali Virendra830BE23239Mujawar Salman Babulal4040404040	23	BE23231	Maharaj Shubham K	10	1	53	BE23266	Varun Suresh Gupta	6
25BE23233Malegavi Prajwal Ashok1055BE23271Yash Pradip Jagtap726BE23234Mandlik Gauri Pravin956BE23272Yash Singh D Chandel727BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj1058BE23274Zahra Jaweed Amin1029BE23238Mrunmai Kulkarni1058BE23275Mali Virendra830BE23239Mujawar Salman Babulal4010101010	24	BE23232	Malavade Meghna Nitin	7		54	BE23268	Wagh Om Nilesh	6
26BE23234Mandlik Gauri Pravin956BE23272Yashsingh D Chandel727BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj1058BE23274Zahra Jaweed Amin1029BE23238Mrunmai Kulkarni1058BE23275Mali Virendra830BE23239Mujawar Salman Babulal4077	25	BE23233	Malegavi Prajwal Ashok	10	1	55	BE23271	Yash Pradip Jagtap	7
27BE23235Mane Neha Sambhaji1057BE23273Yukta Milind Kabra1028BE23237Mishra Yash Manoj1058BE23274Zahra Jaweed Amin1029BE23238Mrunmai Kulkarni1058BE23275Mali Virendra830BE23239Mujawar Salman Babulal40101010	26	BE23234	Mandlik Gauri Pravin	9	1	56	BE23272	Yashsingh D Chandel	7
28BE23237Mishra Yash Manoj1058BE23274Zahra Jaweed Amin1029BE23238Mrunmai Kulkarni1058BE23275Mali Virendra830BE23239Mujawar Salman Babulal40101010	27	BE23235	Mane Neha Sambhaji	- 10		57	BE23273	Yukta Milind Kabra	10
29BE23238Mrunmai KulkarniBE23275Mali Virendra830BE23239Mujawar Salman Babulal40303030303030	28	BE23237	Mishra Yash Manoj	10	-	-58	BE23274	Zahra Jaweed Amin	10
30 BE23239 Mujawar Salman Babulal	29	BE23238	Mrunmai Kulkarni	TQuie	1 10	592	BE23275	Mali Virendra	8
	30	BE23239	Mujawar Salman Babulal	40	-	7 0			

* Puna

Feedback analysis of Direct Assessment: Average Result: 8.6



The strategy used was a good success. The students learnt the concept very well and actively participated in the activity.

Reflective critiques:

- 1. Challenges: It is observed that many students have not watched the video even though the reminder was given.
- 2. Steps to be taken to avoid the problems: To avoid these challenges, next time students will be encouraged by announcing the prizes for this type of activity.
- 3. Changes for the next activity: Next time, this activity will have prizes for correct submission of answers for first 10 timely responses.

Dr. Varsha Degaonkar Signature of the Course Teacher





Innovative Practices in Teaching-Learning Activity Filp Classroom Activity

Academic Year and Semester: AY 2023-24 SEM IL Branch: E&TC Class: SE Subject: Control System Subject code: 204192 Day and Date: Friday, 19/04/2024

Objectives of the activity:

- a) To adapt Innovative teaching learning methodology so as to obtain maximum involvement of every type of student
- b) To encourage self -learning.
- c) To understand the basic concept of Control System

The learning outcomes of the activity :

After completion of the activity students will be able to :

a) Apply the knowledge of control system in real time application

No. of Students attended : 72

List of resources shared: Video on topics Control System

Instruct	ions Student work	
Ē	Innovative teaching practice activity Suvarna Hande • 19 Apr 100 points	1
	https://www.youtube.com/watch?v=oxMdDsud5vg https://www.youtube.com/watch?v=To4nPh N2A	
	Note . Watch this video and solve quiz https://forms.gle/9ZgMw2MSiBPhn5gW7	
	2), Class comments	
	S Add class comment.	₽
	I'IT.	

Contraction of the second



Conduction platform : Google Classroom

Assessment tool : Quiz on topic Control System

https://forms.gle/9ZqMw2MSiBPhn5qW7

Steps followed for effective implementation:

- 1) Students are requested to watch the video which is on Google classroom
- 2) Quiz is on the shared session.

Details For student submission (Quiz)

Roll No.	Name of Student	Marks	Roll No.	Name of Student	Marke
SE23201	ADHAV YASH PRAVIN	5	SE23237	KOLI GIRISH BAPURAO	7
SE23202	ALEX VIRENDRA SAKHA	15	SE23238	KULKARNI ATHARV SANTOSH	8
SE23203	AMBEKAR PARTH RAVINDRA	12	SE23239	KULKARNI CHAITANYA S	8
SE23204	ANSARI MOHD NOOR ALAM	15	SE23240	KULKARNI SIDDHANT SUNII	0
SE23205	APAR RIDDHI RAVINDRA	10	SE23241	LAKUNDE NAGA HARSHITHA	10
SE23206	ATHARVA VISHWAS DALVI	12	SE23242	LEKULE ADITYA PANIAB	0
SE23207	BAIRAGI PRANJAL SANTOSH	8	SE23243	MAHALE SHRAVANI VIKAS	0
SE23208	BHAMARE NIMISHA NIMBA	9	SE23244	MALVADKAR SUMER SHIRISH	8
SE23209	BHANGALE MIHIR HITENDRA	9	SE23245	MASKE VAISHNAVI RUPSEN	0
SE23210	BHOR SAYALI SAMPAT	8	SE23246	MEHAK KOUL	8
SE23211	BIJWE PAURAVI VINOD	8-1 0	SE23247	MOHITE PRATHAMESH ANII	8
SE23212	BOBADE TANMAY GAJANAN	15	SE23249	MUTHE ASHWINI KISAN	12
SE23213	BORSE PRAKRUTI PRAVIN	15	SE23250	NAGEASE ISHNA RAVI	12
SE23214	CHASKAR SUMIT SHIVAJI	10	SE23251	PATIL DIKSHA GOPAL	15
SE23215	CHAUDHARI AMEYA SATISH	15 -	SE23252	PATIL RUSHIKESH RAVINDRA	12
SE23216	CHAVAN ANISHA PRAKASH	15	SE23253	PURANIK SHREVA TUSHAD	12
SE23217	DANAO YASHASWI VINOD	6	SE23254	RAMYASHREES	15
SE23218	DARKUNDE ADITI D	6 In (SE23255	RAUT ADITI ANII	15

* PUNO

I2IT / ACAD / CP / 19 Ver 01

SE23219	DEOTARE TUSHAR RAJU	10	SE23256	SARVESH DAYMA	10
SE23220	DHUMANE GEETA AVINASH	12	SE23257	SHANTANU DHANAJI KADAM	9
SE23221	DHWANI SANJAY PATEL	14	SE23258	SHEDGE VAISHNAVI DEEPAK	11
SE23222	GANGURDE VAISHNAVI RAHUL	15	SE23259	SHINDE SUPRIYA SANTOSH	12
SE23223	GAWAI APURV MOHAN	10	SE23260	SHINDE VAIBHAVI RAOSAHEB	15
SE23224	GOSAVI VEDANT MANGESH	12	SE23261	SOLANKEY KRISHNA MILIND	11
SE23225	ILHE SAHIL KACHESHWAR	15	SE23262	SURDE SANAYA SHAILESH	12
SE23226	JADHAV ASMITA KIRAN	15	SE23263	SURYAWANSHI SHRUTI T	12
SE23227	JADHAV GAURI PRABHAKAR	13	SE23264	TANISHKA AJAY PAWAR	13
SE23228	JADHAV VISHWAJIT RAVINDRA	12	SE23265	TEJAS PATIL	15
SE23229	JAURKAR NARAYANI MAHESH	15	SE23266	TEKALE ADESH GOVIND	12
SE23230	KADAM SHRUTI RAVINDRA	10	SE23267	TOLKAR VEDANT GOVIND	11
SE23231	KAHAAN SHAH	6	SE23268	VARALE SHRUTI YUVRAJ	12
SE23232	KARDILE SHITAL HARIDAS	11	SE23269	VARMA SHRUTI VIJAY	12
SE23233	KAWLE ANIRUDDH ANANT	12	SE23270	VERMA SHRISTI KUMARI	12
SE23234	KHARAT RITESH VIJAY	12	SE23271	WADGAONKAR TANVI S	13
SE23235	KHUSHAL RAVINDRA YADAV	15	SE23272	WALOKAR AYUSH NILESH	10
SE23236	KOLHE ARNAV VIJAY	11			

Impact of the innovative practice:

1) Students acquired the concept very easily.

2) Almost All student has solved questioner correctly.

tshu Signature of the Course Teacher



Hope Foundation's International Institute of Information Technology, Pune DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

Innovative Practices in Teaching-Learning Flip Classroom Activity

Academic Year and Semester: AY 2023-24 Sem I Branch: E&TC Subject: Data Structures Day and Date: Friday, 6/10/2023

Class: SE Subject code: 204184

Objectives of the activity:

- a) To adapt Innovative teaching learning methodology so as to obtain maximum involvement of every type of learner.
- b) To understand the concept of Graph Traversal-BFS and DFS.
- c) To encourage Self-learning.
- d) To achieve the "Higher Order Thinking Skills" in effective Teaching Learning Process

The learning outcomes of the activity:

After completion of the activity students will be able to:

- a) Apply the knowledge of graph in traversal using BFS and DFS. [Application]
- b) Demonstrate their Self-learning skill. [Application]

No. of Students attended: 72

List of resources shared: Video on topic Graph Traversals-BFS and DFS

204 KULUS2L-YS	
ELL Conference 😨 D? 🙃 Statements 🛞 Crust 🖾 Do	G. Gu Lei St. 100 🗫 🖬 👘 Inst Ches. Partist
	II 🔕
	1 & •
ona: Big O, Omega,	
tic Notations: Big O, Omeg	a, Theta i
Degaonkar posted a new material: Watch the video for-	Asymptotic Notations
n Rig G. Orseyn Thern	
1.8.2 Asymptotic Notatio 18. Video Vide	n Asymptotic Notation
	E uver.bquaret.enc.n
crome rest_	Pune *
	one: Big 0, Omega,





Conduction platform: Google Classroom

Assessment tool: Direct: Quiz on topic Graph Traversals-BFS and DFS (5 questions of 2 marks each)

Steps followed for effective implementation:

1) Students are requested to watch the Video which is posted on Google Classroom.

2) The idea is that the students should get more time in-classroom focusing on achieving Higher Order of Thinking Skills (HOTS). The teacher will guide the students to practice the contents more effectively by some assessment.

3) Quiz is conducted in the next session on the topic to check the understanding of students.

4) Later the topic is revised in the session.



Details for student submission: Quiz Assignment on Google Classroom

	Quiz on Graph Traversals-Breadth First	
	Search (BFS) and Depth First Search	
	(DFS)	
	Dear students,	
	After wetching the video 'Graph Tieversals - BPS 2 DPS -Breadth First Search and Depth First Search', please complete this guiz	
	varshadığı siquarelit, eskilin Switch accounts 🖉	
	* Indie etes required question	
	Drval I *	
	☐ Record varishad@isquaraftackiln as the ameliko be included with my response	
	Boll Humber & Hanse of the Student *	
		100
	The Data structure used in standard implementation of Breadth First Search $~^{\pm}$ $_{\rm Data}$ is 7	and a second
	() a) Stock.	
	O b) Queue	
8	O e) Unked Ust	
	O dime	100
	() aj tree	100
	Depth First Search is equivalent to which of the traverse lin the timery Trees 7 \pm $_{2 \text{pulsion}}$	Setting 1
	Net a) pre-order Traversal	1012
	b) Decharder Trausseal	
	() e) Leve Forder Theverse I	Canal Section
	O d) in-order Traverse I	
		u (j
and the second second	A person wents to visit some places. He starts from a vertex and then value * z _{paintx} to visit every vertex till it finishes from one vertex, backtracks and then explore other vertex from same vertex. What a locitim he should use?	Come Stream
		1200
	(Gra) Depth First Search	No.
	O b) Breadth Anst Search	
	🔘 c) Trimis a borithm	
ł	🔘 d) Kruskals Algorithm	alex.
23	in Depth First Search, how many times a node is Visibed? 4 Zpoints	
	O aliface	
	() sydnes	
	O b)Twiee	100
1	Or e) Equivalent to number of indegree of the node	and the
	O d)Thridee	
		No.
	Travercal of a merch is different from tree because + 2relate	-
	a suffriere non be a low in arath on we must maintain a wolked flag for every	ALC: NO
,	A state of the sta	
	Ventex	
	vertex O b) D FS of a graph uses stack, but inorder traversal of a tree is recursive	out that so
and the second s	Ventex b) 0 PS of a graph uses stack, but inorder traversal of a tree is recursive c) BFS of a graph uses queue, but a time efficient BFS of a tree is recursive. 	Carlo Same Springer
	 Ventex b) D FS of a graph uses stack, but inorder traversal of a tree is recursive c) BFS of a graph uses queue, but a time efficient BFS of a tree is recursive. d) All of the above 	Concentration of the



Process followed for performance Evaluation:

- Quiz on the topic Graph Traversals, BFS and DFS with 5 questions is floated.
- Each question in quiz carried 2 marks.
- Following is the list of students attempted the quiz with marks.

Roll No.	Name of the Student	Marks	Roll No.	Name of the Student	Marks
SE23101	YASH PRAVIN ADHAV	8	SE23139	HARSHITHA LAKUNDE	8
SE23102	ALEX VIRENDRA SAKHA	8	SE23140	ADITYA PANJAB LEKULE	10
SE23103	PARTH RAVINDRA AMBEKAR	10	SE23141	SHRAVANI VIKAS MAHALE	8
SE23104	MOHD NOORALAM ANSARI	10	SE23142	SUMER SHIRISH MALVADKAR	8
SE23105	RIDDHI RAVINDRA APAR	10	SE23143	MEHAK KOUL	10
SE23106	SHRUTI RAVINDRA KADAM	8	SE23144	PRATHAMESH ANIL MOHITE	6
SE23107	ATHARVA VISHWAS DALVI	8	SE23145	ISHNA RAVI NAGFASE	6
SE23108	PRANJAL SANTOSH BAIRAGI	8	SE23147	DIKSHA GOPAL PATIL	10
SE23109	NIMISHA NIMBA BHAMARE	8	SE23148	RUSHIKESH RAVINDRA PATIL	8
SE23110	SAYALI SAMPAT BHOR	10	SE23149	SHREYA TUSHAR PURANIK	8
SE23112	PAURAVI VINOD BIJWE	10	SE23150	RAMYASHREE S	10
SE23113	TANMAY GAJANAN BOBADE	10	SE23151	ADITI ANIL RAUT	10
SE23114	PRAKRUTI PRAVIN BORSE	8	SE23153	SARVESH DAYMA	10
SE23115	SUMIT SHIVAJI CHASKAR	8	SE23154	SHANTANU DHANAJI KADAM	10
SE23116	AMEYA SATISH CHAUDHARI	10	SE23155	VAISHNAVI DEEPAK SHEDGE	10
SE23117	YASHASWI VINOD DANAO	10	SE23156	VAIBHAVI RAOSAHEB SHINDE	8
SE23118	ADITI D DARKUNDE	8	SE23158	KRISHNA MILIND SOLANKEY	10
SE23119	TUSHAR RAJU DEOTARE	8	SE23159	SANAYA SHAILESH SURDE	8
SE23120	GEETA AVINASH DHUMANE	10	SE23160	TANISHKA AJAY PAWAR	10
SE23121	DHWANI SANJAY PATEL	8	SE23161	TEJAS GAJANAN PATIL	8
SE23122	VAISHNAVI RAHUL GANGURDE	10	SE23163	VEDANT GOVIND TOLKAR	8
SE23123	APURV MOHAN GAWAI	8	SE23164	SHRUTI VIJAY VARMA	8
SE23124	VEDANT MANGESH GOSAVI	10	SE23165	SHRISTI KUMARI VERMA	6
SE23126	SAHIL KACHESHWAR ILHE	10	SE23166	TANVI SUDHIR WADGAONKAR	10
SE23127	ASMITA KIRAN JADHAV	10	SE23167	AYUSH NILESH WALOKAR	6
SE23128	VISHWAJIT RAVINDRA JADHAV	10	SE23168	ADESH GOVIND TEKALE	10
SE23129	NARAYANI MAHESH JAURKAR	10	SE23169	ANISHA PRAKASH CHAVAN	8.
SE23130	KAHAAN SHAH	10	SE23170	ASHWINI KISAN MUTHE	10
SE23131	ANIRUDDH ANANT KAWLE	10	SE23171	BHOOMIK ATUL MONANI	8
SE23132	RITESH VIJAY KHARAT	10	SE23172	GAURI PRABHAKAR JADHAV	10
SE23133	KHUSHAL RAVINDRA YADAV	10 -	SE23173	SHITAL HARIDAS KARDILE	10
SE23134	ARNAV VIJAY KOLHE	6	SE23174	SHRUTI TANAJI SURYAWANSHI	10
SE23135	GIRISH BAPURAO KOLI	10	SE23175	SHRUTI YUVRAJ VARALE	8
SE23136	ATHARV SANTOSH KULKARNI	10	SE23176	SUPRIYA SANTOSH SHINDE	10
SE23137	CHAITANYA S KUŁKARNI	10	SE23177	VAISHNAVI RUPSEN MASKE	10
SE23138	SIDDHANT SUNIL KULKARNI	8	SE23178	MIHIR HITENDRA BHANGALE	8



Feedback analysis of Direct Assessment: Average Result: 8.9



The strategy used was a good success. The students learnt the concept very well and actively participated in the activity.

Reflective critiques:

- 1. Challenges: It is observed that many students have not watched the video even though the reminder was given. Also, it is observed that many students have copied answers from others students.
- 2. Steps to be taken to avoid the problems: To avoid these challenges, next time students will be encouraged by announcing the prizes for this type of activity.
- 3. Changes for the next activity: Next time, this activity will have prizes for correct submission of answers for first 10 timely responses.

Dr. Varsha Degaonkar Signature of the Course Teacher



Quiz on Graph Traversals-Breadth First Search (BFS) and Depth First Search (DFS) Dear students, After watching the video "Graph Traversals - BFS & DFS-Breadth First Search and Depth First Search", please complete this quiz.

* Indicates required question

1. Email*

29/11/2023, 19:47

2. Roll Number & Name ... ine suident *

Mark only one oval.

SE23101 ADHAV VASH PRAVIN

SE23102 ALEX VIRENERA SAKHA

SE23103 AMBEKAR PARTH RAVINDRA

SE23104 ANSARI MOHD NOOR ALAM MOHAMMED

SE23105 APAR FIDDHI RAVINDRA

SE23106 SHRUTI RAVINDRA KAGAM

SE23107 ATHARVA VISHWAS DALVI

SE23108 BAIRAGI PRANJAL SANTOSH

SE23109 BHAMARE NIMISHA NIMBA

SE23110 BHOR SAYALI SAMPAT

SE23112 BIJWE PAURAVI VINOD

SE23113 BOBADE TANMAY GAJANAN

SE23114 BORSE PRAKRUTI PRAVIN

SE23115 CHASKAR SUMIT SHIVAJI

SE23116 CHAUDHARI AMEYA SATISH

SE23117 DANAD YASHASWI VINOD

SE23118 DARKUNDE ADITI DNYANESHWAR

SE23119 DECTARE TUSHAR RAJU

SE23120 DHUMANE GEETA AVINASH SE23121 DHWANI SANJAY PATEL

SE23122 GANGURDE VAISHNAVI RAHUL

SE23123 GAWAI APURV MOHAN

SE23124 GOSAVI VEDANT MANGESH

SE23126 ILHE SAHIL KACHESHWAR

SE23127 JADHAV ASMITA KIRAN

SE23128 JADHAV VISHWAJIT RAVINDAA

SE23129 JAURKAR NARAYANI WAHESH

SE23130 KAHAAN SHAH

) SE23132 KHARAT RITESH VIJAY

SE23131 KAWLE ANIRUDDH ANANT

) SE23133 KHUSHAL RAVINDRA YADAV

2/5

https://docs.google.com/forms/d/1F9e421r3V/M409DsGp2Vpp8DMMVFY8-MnzEDNOFAXyKY/edit

1/5

https://docs.google.com/forms/d/1F9e421r3W/M409DsGp2Vpp8DMMMFY8-MnzEDNOfAXyKY/edit

SE23142 MALVADKAR SUMER SHRISH

SE23141 MAHALE SHRAVANI VIKAS

SE2314D LEKULE ADITYA PANJAB

I 271 United International

SE23137 KULKARNI CHAITANYA SHRIDHAR

SE23136 KULKARNI ATHARV SANTOSH

SE23135 KOLI GIRISH BAPURAD

SE23134 KOLHE ARNAV VIJAY

SE23139 LAKUNDE NAGA HARSHITHA L

SE23138 KULKARNI SIDDHANT SUNIL

Technolog

Pume *

29/11/2023, 19:47 Quiz on Graph Traversals-Breadth First Search (BFS) and Depth First Search (DFS)	4. Depth First Search is equivalent to which of the traversal in the Binary Trees? * 2 points	Mark only one oval.	N. N	- Aa) Pre-order Traversal	Di Post-order Traversal		d) III-order (raversal		5. A person wants to visit some places. He starte from a vertex and two works to visit.	it finishes from one vertex, backtracks and then explore other vertex from same vertex till * & points	algorithm he should use?	Mark only one oval.	T AT Doubh Elses Concer	Disponsible Erect Sources					6. In Deoth First Search how many times a node is visited? *		Mark only one oval.	() a) Once	() b) Twice	(Cord) Equivalent to number of indegree of the node	() d) Thrice			7. Traversal of a graph is different from tree because *	Mark only one oval.	X	A) In DEC of a graph uses stark but incredent transmol of a transmologic every vertex	C c) BFS of a graph uses succe, out more the requisant of a tree is recursive.	C of All of the above		ed Info-	Teo on the second secon	This content is neither ensued nor endeased by Geople.		Coogle Forms	100	3/5 https://docs.google.com/iorms/d/1F9 //WMM09DsCpcVpp8DMMM+Y8-I/hrzEDNOFAXyKY/iedit
29/11/2023, 19:47 Cuiz of Graph Traversals-Breadth First Search (BFS) and Depth First Search (DFS) (SE23144 MOHITE PRATHAMESH ANIL	C) SE23145 NAGFASE ISHNA RAVI	🔵 5523147 РАТІL DIKSHA GOPAL	SE23148 PATIL RUSHIKESH RAVINDRA	SE23149 PURANIK SHREYA TUSHAR	SE23150 RAMVASHREE S	C) SE23151 RAUT ADITI ANIL	C SE23153 SARVESH DAYMA	C SE23154 SHANTANU DHANAJI KADAM	C) SE23155 SHEDGE VAISHNAVI DEEPAK	C SE23156 SHINDE VAIBHAVI RAOSAHEB	C SE23158 SOLANKEY KRISHNA MILIND	C SE23159 SURDE SANAYA SHAILESH	C) SE23160 TANISHKA AJAY PAWAR	C SE23161 TEJAS PATIL	C SE23163 TOLKAR VEDANT GOVIND	C SE23164 VARMA SHRUTI VIJAY	SE23165 VERMA SHRISTI KUMARI	C SE23166 WADGAONKAR TANVI SUDHIR	C SE23167 WALOKAR AYUSH NILESH	C SE23168 ADESH GOVIND TEKALE	C SE23169 ANISHA PRAKASH CHAVAN	C) SE23170 ASHWINI KISAN MUTHE	SE23171 BHOOMIK ATUL MONANI	C SE23172 GAURI PRABHAKAR JADHAV	SE23173 SHITAL HARIDAS KARDILE	C SE23174 SHRUTI TANAJI SURYAWANSHI	🔿 SEŻ3175 SHRUTI YUVRAJ VARALE	SE23176 SUPRIYA SANTOSH SHINDE	SE23177 VAISHNAVI RUPSEN MASKE	C SE23178 MIHIR HITENDRA BHANGALE		 The Data structure used in standard implementation of Breadth First Search is? * 	Mark only one oval.) a) Stack	p) Dieuee	() c) Linked List	() d) Tree			https://docs.google.com/forms/d/1F9e421r3VMA09Ds.Gp2V.pp8DNkMrY8-MnzEDNDfAXyKY/edit

4/5





International Institute of Information Technology

P-14, Rajiv Gandhi Info Tech Park, Phase - 1, Hinjawadi, Pune - 411 057

Department of Electronics & Telecommunications

Criss-Cross Puzzle Activity

Academic Year and Semester: 2023-2024 Semester I Branch: E&TC Subject: Data Mining Day and Date: Saturday, 14th October 2023

Class: BE Subject code: 404195A

Objectives of the activity:

- a) To identify important key words in data mining.
- b) To revise data mining concepts in self paced learning method.
- c) To create interest in students by taking fun type teaching and learning activities.

The learning outcomes of the activity:

After completion of the activity students will be able to

- a) Trace and recall common and popular data mining keyword.
- b) Demonstrate self learning ability.

No. of Students attended: 77

List of resources shared:





Data Mining

Puzzlemaker is a puzzle generation tool for teachers, students and parents. Create and print customized word search, criss-cross, math puzzles, and more-using your own word lists.



ACROSS

- 4. gathers data from multiple, heterogeneous, and external sources.
- 7. Multidimensional OLAP
- 9. finding abstracted patterns (or structures) in the unlabeled data
- 10. data about data.
- 12. to remove noise from the data.
- 15. popular clustering algorithm used for data analysis and pattern recognition
- 16. data object that deviates significantly from the rest of the data objects
- 18. reduces the number of random variables
- 19. algorithm and program for comparing primary biological sequence information



DOWN

1. routines attempt to fill in missing values,

3. sorts, summarizes, consolidates, computes views, checks integrity, and builds indices and partitions.

5. process of fitting a curve or a straight line on various data points

6. process of making a group of abstract objects into classes of similar objects

8. transforms numeric data by mapping values to interval or concept labels 11. statistical classification meta-algorithm formulated by Yoav Freund and Robert Schapire

13. data pre-processing method used to minimize the effects of small observation errors

14. Online analytical processing

17. Classification and Regression Trees

18. data to be modeled and viewed in multiple dimensions.

Use the clues to fill in the words above.

Words can go across or down. Letters are shared when the words intersect.

20 of 20 words placed.



Copyright © 2023 Discovery Education. All rights reserved.





ACROSS

4. gathers data from multiple, heterogeneous, and external sources.

7. Multidimensional OLAP

9. finding abstracted patterns (or structures) in the unlabeled data

10. data about data.

12. to remove noise from the data.

15. popular clustering algorithm used for data analysis and pattern recognition

16. data object that deviates significantly from the rest of the data objects

18. reduces the number of random variables

19. algorithm and program for comparing primary biological sequence information



DOWN

1. routines attempt to fill in missing values,

2. online transaction processing

- 3. sorts, summarizes, consolidates, computes views, checks integrity, and builds indices and partitions.
- 5. process of fitting a curve or a straight line on various data points
- 6. process of making a group of abstract objects into classes of similar objects
- 8. transforms numeric data by mapping values to interval or concept labels
- 11. statistical classification meta-algorithm formulated by Yoav Freund and Robert Schapire
- 13. data pre-processing method used to minimize the effects of small observation errors
- 14. Online analytical processing
- 17. Classification and Regression Trees
- 18. data to be modeled and viewed in multiple dimensions.

Use the clues to fill in the words above.

Words can go across or down. Letters are shared when the words intersect.

20 of 20 words placed.



Copyright © 2023 Discovery Education. All rights reserved.



ANKIT RAJ SHARMA



Puzzlemaker is a puzzle generation tool for teachers, students and parents. Create and print customized word search, criss-cross, math puzzles, and more-using your own word lists.

Data Mining



ACROSS

4. gathers data from multiple, heterogeneous, and external sources.

7. Multidimensional OLAP

9. finding abstracted patterns (or structures) in the unlabeled data

10. data about data.

12. to remove noise from the data.

15. popular clustering algorithm used for data analysis and pattern recognition

16. data object that deviates significantly from the rest of the data objects

18. reduces the number of random variables

19. algorithm and program for comparing primary biological sequence information



DOWN

1. routines attempt to fill in missing values,

2. online transaction processing

3. sorts, summarizes, consolidates, computes views, checks integrity, and builds indices and partitions.

5. process of fitting a curve or a straight line on various data points

6. process of making a group of abstract objects into classes of similar objects

8. transforms numeric data by mapping values to interval or concept labels

- 11. statistical classification meta-algorithm formulated by Yoav Freund and Robert Schapire
- 13. data pre-processing method used to minimize the effects of small observation errors
- 14. Online analytical processing
- 17. Classification and Regression Trees
- 18. data to be modeled and viewed in multiple dimensions.

Use the clues to fill in the words above.

Words can go across or down. Letters are shared when the words intersect.

20 of 20 words placed.



Copyright © 2023 Discovery Education. All rights reserved.

ALL PALLS DAJ -TIMAA





ACROSS

4. gathers data from multiple, heterogeneous, and external sources.

7. Multidimensional OLAP

- 9. finding abstracted patterns (or structures) in the unlabeled data
- 10. data about data.

12. to remove noise from the data.

- 15. popular clustering algorithm used for data analysis and pattern recognition
- 16. data object that deviates significantly from the rest of the data objects
- 18. reduces the number of random variables

19. algorithm and program for comparing primary biological sequence information



1

tines attempt to fill in missing values,

ts, summarizes, consolidates, computes views, checks integrity, and builds indices and partitions. ine transaction processing

cess of fitting a curve or a straight line on various data points

pcess of making a group of abstract objects into classes of similar objects

nsforms numeric data by mapping values to interval or concept labels

tatistical classification meta-algorithm formulated by Yoav Freund and Robert Schapire lata pre-processing method used to minimize the effects of small observation errors

Online analytical processing

Classification and Regression Trees

data to be modeled and viewed in multiple dimensions.

the clues to fill in the words above.

ds can go across or down. ers are shared when the words intersect.

of 20 words placed.



Copyright © 2023 Discovery Education. All rights reserved.



Conduction platform: Classroom (A302)

Assessment tool: Direct (0.5 marks for every correct answer)

Steps followed for effective implementation:

- 1. Criss cross puzzle was designed to involve students in self and lifelong learning for key points of course.
- 2. Time Bound was allotted.
- 3. Students must submit complete solved puzzle in classroom only.

Details for student submission: (Attached separately answer sheets)

Process followed for performance Evaluation:

Roll No.	Roll No. Name of Student	
BE23101	APURVA SANTOSH APUNE	7
BE23102	ATHARVA SAGAR CHATUR	7
BE23103	BARAVKAR PIYUSH SURESH	10
BE23104	DESAI GAURI SANJAY	7
BE23105	GHATOL AMIT SANJAY	9
BE23106	GIRIYAL ATHARVA	7
BE23107	HEMANG AMRITLAL JAIN	8
BE23108	KAITKAR PRIYANKA	10
BE23109	KHOLE DHANANJAY VIVEK	9
BE23110	KODAG SARTHAK MAHENDRA	10
BE23111	MAHARAJ SHUBHAM	8
BE23112	MALAVADE MEGHNA NITIN	8
BE23113	MALI VIRENDRA	8
BE23114	MISHRA YASH MANOJ	10
BE23115	MRUNMAI KULKARNI	7
BE23116	NADARGE SAKSHI ANIL	9
BE23117	PARKHE KHUSHI KIRAN	7
BE23118	PATIL ANUSHREE UMESH	8
BE23119	PATIL DIGVIJAY RAVIRAJ	7
BE23120	RANE YASH YOGIRAJ	7
BE23121	RAVI PRAKASH	7
BE23122	SHIRKE KALPESH	9
BE23123	SURANA SMRUTI SUNIL	8
BE23124	THAKARE RUPESH VIJAY	6
BE23125	YASHSINGH CHANDEL	6
BE23126	YUKTA MILIND KABRA	10
BE23127	ZAHRA JAWEED AMIN	9
BE23128	KHOT SHRISHAIL SANJAY	8
BE23129	RISHAB KAR CHAUDHURI	9
BE23130	SHEREKAR YASH RAVINDRA	10
BE23131	ABHISHEK DILIP RATHOD	8
BE23132	ALTE SHRUTI VILAS	8
BE23133	BARI SAKSHI SUNIL	7

Reconstruction of Technoo

BE23134	DHAKNE ASHISH VIJAY	6
BE23135	KADAM ATHARV YOGESH	8
BE23136	KADAM BHAKTI BHAGWAN	10
BE23137	KADAM VAIBHAV	10
BE23138	KHAMGAL DHANASHREE	9
BE23139	KHAMGAL NIKITA VITTHAL	10
BE23140	MANDLK GAURI PRAVIN	8
BE23141	MANE NEHA SAMBHAJI	6
BE23142	PATIL VAISHALI UMAKANT	9
BE23143	SATPUTE TEJAS SAMBHAJI	9
BE23144	SHINDE AAKANKSHA	8
BE23145	SHIVANGI SANTOSH JADHAO	8
BE23146	SOLANKE MANGESH	10
BE23147	UMBARKAR YASH RAJIV	7
BE23148	WAGH OM NILESH	7
BE23149	ANKIT RAJ SHARMA	9
BE23150	ARGULWAR AJAY MANOJ	7
BE23151	BHURE VYANKAT ACHYUTE	10
BE23152	DAYMA GIRIRAJ MANISH	6
BE23153	GAIDHANI VISHVESH	7
BE23154	GHARDE ARADHYA VIJAY	10
BE23155	GODASE ABHINESH MOHAN	9
BE23156	KAMBLE GEETA SURYAKANT	AB
BE23157	KANAWADE DEEP RAJENDRA	9
BE23158	KUSALE NIKHIL DATTATRAY	7
BE23159	MUJAWAR SALMAN	9
BE23160	PATIL SAKSHI ULHAS	10
BE23161	SANSKRUTI PATOND	8
BE23162	SARTHAK GUPTA	10
BE23163	SATHE SAYALI KAILAS	8
BE23164	SHREYA SHARMA	7
BE23165	SUMIT AMIT TIWARI	7
BE23166	VARUN SURESH GUPTA	8
BE23167	WAGH ONKAR SHAHU	6
BE23168	WAGHMARE ATHARVA	7
BE23169	YASH PRADIP JAGTAP	10
BE23170	BHURE RUPESH DATTA	9
BE23171	MALEGAVI PRAJWAL ASHOK	9
BE23172	SARDAR ANURAG PRABIR	9
BE23173	CHOUDHARY NARAYAN	7
BE23174	JAWALEKAR PARTH SHAILESH	8
BE23175	MIRKALE TANISHQ RAJKUMAR	9
BE23176	TEJAS BHAGAT	6
BE23177	VINAY VILAS MORALE	8

Impact of the innovative practice:

- 1. The students learnt important keyword followed by concept in a engaging fun type environment.
- 2. The participation was active.
- 3. It made impact for lifelong use and learning.

Reflective critiques for team assisted individualization:

- 1. The activity has to be taken in less time for more impact.
- 2. Changes for the next activity: Overlapping and mirror words must be avoided.

Angal: A Jegtup

Signature of the Course Teacher





Hope Foundation's International Institute of Information Technology

P-14, Rajiv Gandhi Info Tech Park, Phase - 1, Hinjawadi, Pune - 411 057

Department of Electronics & Telecommunications

Team Quiz Activity

Academic Year and Semester: 2023-2024 Semester I Branch: E&TC Subject: Database Management Day and Date: Thursday, 12th October 2023

Class: TE Subject code: 304183

Objectives of the activity:

- a) To revise SQL syntax in database management.
- b) To revise concepts in database management in self paced learning method.
 - c) To create interest in students by taking fun type teaching and learning activities.

The learning outcomes of the activity:

After completion of the activity students will be able to

- a) Trace and recall common and popular SQL.
- b) Demonstrate self learning ability.

No. of Students attended: 47

List of resources shared:

Link: <u>https://jeopardylabs.com/play/sql-queries</u> on projector Question sheet is attached as separate sheet

Conduction platform: Classroom (A301)

Assessment tool: Direct (10 marks for every correct answer)

Steps followed for effective implementation:

- 1. Total 4 Teams of 12 students
- 2. No pass of Question to other teams
- 3. After answer, detail explanation is excepted.
- 4. Time Bound was allotted.



	-								
questions	D	10 The condition allows a general predicate over the relations being joined.	uo		10 Which of the join operations do not preserve non matched tuples?	Inner join		10 What type of join is needed when you wish to include rows that do not have matching values?	Technologia
C	0	10 Aggregate functions are functions that take a as input and return a single value.	Collection of values		10 SELECT FROM instructor WHERE dept name= 'Comp.	Which of the following should be used to find the mean of the salary ?	Avg(salary)	10 SELECT COUNT (ID) FROM teaches WHERE semester = 'Spring' AND YEAR = 2010;	If we do want to eliminate duplicates, we use the keywordin the aggregate expression.
ç	B	10 SELECT emp_name FROM department WHERE dept_name LIKE ' Computer Science';	Which one of the following has to be added into the blank to select the dept_name which has Computer Science as its ending string?	0/0	10 SELECT name FROM instructor WHERE dept name = 'Physics' ORDFR BY name :	By default, the order by clause lists items in	Ascending	10 SELECT * FROM instructor ORDER BY salary, name	To display the salary from greater to smaller and name in ascending order which of
	А	10 which of the following displays the unique values of the column?	dept_name_FROM instructor; Distinct		The clause is used to list the attributes desired in the result of a query.	select		In the given query which of the keyword has to be inserted?	(1002, Joey, 2000); values

C

		10 How many tables may be included with a join? multiple		10 Which join refers to join records from the right table that have no matching key in	the left table are include in the result set:			
Distinct		10 All aggregate functions except ignore null values in their input collection. Count(*)		10 The phrase "greater than at least one" is represented in SOI by	> some		Station Technology	
the following options should be used?	Desc, Asc	10 In SQL the spaces at the end of the string are removed by function Trim		10 operator is used for appending two strings.	=		anningur leuoliteuren	2
	A TO	10 SELECT name instructor name, course id FROM instructor, teaches WHERE instructor.ID= teaches.ID;	Which keyword must be used here to rename the field name?	10 SELECT * FROM employee WHERE dept_name="Comp	In the SQL given above there is an error . Identify the error.	"Comp Sci"		

.e.,

Details for student submission: Maintain as team score and was live available to see. (Separate sheet is attached as proof from the link)

Continue ESC

N H N H

D for 10

Reveal Correct Response Spacebar

Which join refers to join records from the right table that have no matching key in the left table are include in the result set:

right outer join

Team 2

40

Fig 1: Score Card of Quiz

Team 3

Team 4

Process followed for performance Evaluation:

Team 1

50

Roll No.	Name of Student	Marks (out of 50)	Team Name
TE23101	AWATE SMRUTI RAMCHANDRA	50	A
TE23102	BADHE VAIBHAV PURUSHOTTAM	50	A
TE23104	BHARDWAJ HARSH MUKESHBHAI	AB	AB
TE23105	BHOYAR GOURI SANDEEP	AB	AB
TE23106	CHAVAN TANVI ANIL	AB	AB
TE23107	DESAI ATISH ASHOK	AB	AB
TE23108	GADGIL SIDDHIKA SANTOSH	50	A
TE23109	GADHAVE ISHANT CHHOTUKUMAR	50	A
TE23110	HRISHIKESH GORAKH AUTI	50	A
TE23111	JATAL ADITI DIGAMBAR	AB	AB
TE23112	JOSHI SOHAM CHANDRASHEKHAR	50	A
TE23113	KAKDE RUTIKA SUNIL	50	A
TE23115	KAPADNIS SHRAVANI PRASHANT	50	A
TE23116	MANDIRA BABULAL BAGLE	AB	AB
TE23117	MANE DANISH ROHIDAS	AB	AB
TE23118	NAWALE RESHMA NAVNATH	50	A
TE23119	NUZHAT ABDUS SALAM INAMDAR	50	A
TE23120	PAWAR SHRUSHTI VISHWANBAR	50	A
TE23121	RASAL ASHWINI RAJARAM	50	A
TE23122	RASAL PALLAVI SAMPAT	40	В
TE23123	SAMRUDDHI DHANANJAY BHADANE	40	В
TE23124	SRIVASTAVA ISHITA	40	В
TE23125	SUYASH PARAG KARNAD	40	В
TE23126	SWAPNIL SHANTINATH SATPUTE	40	В
TE23127	TARFE PRATIK SANJAY	AB	AB

1914 + Pune

TE23128	URADE DIPAK SANJAY		
TE23129	UTTEKAR KANYA RAMCHANDRA	40	B
TE23130	WAGHMARE AKASH ARUN	40	В
TE23131	YADAV ADITYA MADHAV	40	В
TE23132	ARGHODE RUHI HEMANT	40	В
TE23133	ATHANE SHUBHAM SUBESU	40	В
TE23134	ATHARVA SACHINIKHARE	40	В
TE23135	BAFANA KHUSHI ABHAY	AB	AB
TE23136	BANKAR YASH MANOL	AB	AB
TE23137	BANSODE LIMBNATH VYANKAT	40	В
TE23138	BASWADE ANIKET AMOL	AB	AB
TE23139	BIRADAR ADITYA MAHADEV	30	C
TE23140	CHAKOTE TELAS CHANDRAWANT	30	С
TE23141	CHAUDHARI NISCHAL DAUHN	AB	AB
TE23142	CHAVAN SOHAM BANDUDANG	30	C
TE23143	DHAGALESHUDHAM GUDHANG	AB	AB
TE23144	FALGUN UEMANTERATIV	30	C
TE23145	GAHIWAD DADSHANI MUSIC	AB	AB
TE23146	GATHWAD DARSHAN KISHOR	AB	AB
TE23147	GUNDAL BARAG DEERENDRA	AB	AB
TE23148	GONDAL PARAG BHIMRAJ	30	C
TE23140	HALKUNDE PRATIK SANTU	30	C
TE23150	HARSHIT RISHI PANDE	30	C
TE23151	KENDRE TANMAY SANDESH	AB	AB
TE23152	KESAKKAR GANESH SHIVKUMAR	30	
TE23152	KHANDARE RHUTUJA PRASHANT	30	C
TE23154	LONKAR SANIKA SANJAY	30	C
TE23155	MAINDE MANAS YOGESH	30	C
TE23156	MANANI RIYA MANISH	AB	AB
TE23150	MANDAVGAD RITESH RAJENDRA	AB	AB
TE23157	MANGESH RAJABHAU GAIKWAD	30	C
TE23158	OZA JHANVI UDAY	AB	AP
TE23139	PANSARE HARSHADA SUNIL	30	
TE23160	PATIL DISHANT MOHAN	AB	
TE23161	PATIL MANDAR SANTOSHRAO	30	AD
TE23162	PAWAR ATHARVA SHASHIKANT	30	
TE23163	RAJGUDE KSHITIJ MAHENDRA	30	
TE23164	RATHOD ANIKET BALAJI		
TE23165	SAYYAM RAHUL CHORDIYA	30	AB
TE23166	SHINDE SANIKA SANDESH	30	D
E23167	SHINDE SNEHAL RAJENDRA	30	D
E23168	SHINDE SWAPNIL UTTAM	20	D
E23169	SHINDE VISHAKHA SANJEEV	30 A D	
E23170	SIDDHANT YAJUR DHONGDE	AD	AB
E23171	SONGIRE HARSH SUNIL	AD 20	AB
E23172	TARKE PRATHMESH ANANT	30	D
E23173	WAYSE AADITI SUJAYKUMAR	AD 20	AB
E23174	YUVRAJ SINGH	3U A P	D
100175		AB	AB

Feedback analysis of direct assessment: Average result: 38

Impact of the innovative practice:

- 1. The students learnt SQL query followed by concept in a engaging fun type environment.
- 2. The participation was active.
- 3. It made impact for lifelong use and learning.

Reflective critiques for team assisted individualization:

- 1. The activity has to be taken in less time for more impact.
- 2. Changes for the next activity: Team size will be reduced to get individual student involvement.

ignature of the Course Teacher


Hope Foundation's



International Institute of Information Technology

Department of Engineering Sciences

Innovative Practices in Teaching-Learning Activity Think-Pair-Share/ Technical Puzzle

Academic Year and Semester: 2023-24 Branch: Information Technology Subject: Programming and Problem Solving Day and Date: Friday, 28-03-2024

Class: FE IT A Subject code: 110005

✓ Objectives of the activity:

- To engage students in active learning,
- To enable students to learn, understand and Remember the basic concepts of Python Programming
- Expected outcome: Students will be able to understand, remember and explain the concepts Python Programming

✓ **Relevance:** PO1, PO2, PO3, PO9, PO10, PO12

✓ Justification:

- PO1: Students will be able understand problem solving aspects.
- PO2: Students will be learning problem solving with computers with the help of Python.
- PO3: Students will be engaged in learning basic concepts of Python programming
- PO9: Students will be engaged in team works.
- PO10: Student will be able to develop communication skill in natural way.
- PO12: Student will experience Python Program Development environment in a comfortable way.

No. of Students attended: 35

Proof of resources shared: Screenshots Attached and sample copies of solved puzzles are attached.









0





Pune *













Innovative Practices in Teaching Learning (PPS) - Think-Pair-Share

Conduction platform: Offline Puzzle Solving in Groups and delivering Python concept

Recorded session video link: NIL

Assessment tool used to check learning of the students:

Description of the activity:

Process followed for performance Evaluation:

Remember: To understand and memorize the important concepts of Python programming through technical puzzle. And then deliver related topic to other students.

Impact of the innovative practice:

Students were able to remember, basic concepts of Python programming. Students got a chance to think and try different concepts of new language with ease and fun.

Reflective critiques for team assisted individualization:

- 1. Challenges: To make students apply computational thinking and methodology of computer programming.
- 2. Steps to be taken to avoid the problems: Students solved crossword puzzles which comprised basic concepts of Python programming. And explained the concept to other students.
- 3. Changes for the next activity: Encourage all students for active presence while learning new concepts.

Sharada Thete

Signature of the Course Teacher





Python Crossword Puzzle 2



Across

1) _____ function is used to find the length of string.

2) % operator returns the ____

3) for loop in Python is used to _____ over a sequence or other iterable objects.

4) _____ is aone of the problem solving tool

5) _____ function is used to convert the string into uppercase

Down

1) In Python _____ function does not have mame.

2) name of the operator ** in Python

3)In Python. _____ keyword is used to check additional conditions if the previous conditions fail

4) ______ function is used to insert one element at the end of the list

5) _____keyword we used to define a function







1 No - 54 1 No - 44

Python Crossword Puzzle 2



Across

1) _____ function is used to find the length of string.

2) % operator returns the

3) for loop in Python is used to _____ over a sequence or other iterable objects.

4) _____ is aone of the problem solving tool

) _____ function is used to convert the string into uppercase

Down

1) In Python _____ function does not have in name.

2) name of the operator ** in Python

3)In Python. ______ keyword is used to check additional conditions if the previous conditions fail

- 4) ______ function is used to insert one element at the end of the list
- 5) _____keyword we used to define a function



 \sim

Hope Foundation's



International Institute of Information Technology

Department of Engineering Sciences

Innovative Practices in Teaching-Learning Activity PROJECT COMPETITION

Programming and Problem Solving

Academic Year and Semester: 2023-24 Branch: Computer Engineering B) Subject: PPS

Day and Date: Wednesday, 24-4-2024

Class: ENTC/ IT (A &

Subject code: 110005

✓ Objectives of the activity:

- To engage students in active learning
- To enable students to learn and understand the concepts of problem solving.
- To acquaint the benefits of Python Programming with live project activity.
- ✓ Expected outcome:
 - Students will be able to apply various skills in problem solving.
- ✓ Relevance: PO1,PO3,PO9,PO10,PO12

✓ Justification:

- PO1: Students will be able to remember the concepts of object
- PO3: Students will be engaged in solving examples
- PO9: Students will be engaged in team works
- PO10:Student will be able to develop communication and presentation skill
- PO12:Student will understand independent and life-long learning concepts in PPS

No. of Students attended: 199

Proof of resources shared: Screenshot Attached







 \bigcirc







 $\bigcap_{i=1}^{n}$

 \bigcap







 \bigcap

Innovative Practices in Teaching Learning- PPS

Conduction platform: Live Presentation

Recorded session video link: NO

Assessment tool used to check learning of the students: Evaluation sheet **Description of the activity**: Group Activity

Process followed for performance Evaluation:

Every group had to perform Live project demo and also presented by each team members & explain the code.

Impact of the innovative practice:

Students were able to understand & remember all advanced concepts of python with interactive applications like games, live weather app etc in fun and learn way. They were able to identify the career opportunities with python programming.

Reflective critiques for team assisted individualization:

- 1. Challenges : Inadequate skills of team members.
- 2. Steps to be taken to avoid the problems: train every members on most of the activity.
- 3. Changes for the next activity: Engage all student to actively participate in each activity. Allocate More time for project.

Signature of the Course Teacher





Hope Foundation's

International Institute of Information Technology Department of Engineering Sciences Innovative Practices in Teaching-Learning Activity Peer Learning Basic Electrical Engineering

Academic Year and Semester: 2023-24, Sem-II Branch: Computer Engineering Subject: Basic Electrical Engineering Day and Date: Wednesday 14/02/2024

Class: FE COMP A Subject code: 103004 3VC

✓ Objectives of the activity:

- To engage students in active learning.
- To enable students to learn, understand and remember the concepts of Electrical Engg.
- To encourage the students for the stage presentations.
- ✓ Expected outcome:
 - Students will be able to remember and understand the concepts of Engineering Chemistry
 - Students will get a chance to think, present and communicate as per their understanding.

✓ Relevance: PO1, PO8, PO10

✓ Justification:

- PO1: Students will be able to remember the concepts of object
- PO8: Students will be able to apply ethical principles with responsibilities and norms of the engineering practice.
- PO10: Student will be able to develop communication and presentation skill

No. of Students participated: 02

No. of Students attended: 61

Name of Students- 1. Kaveri Gaware FCA22

2. Kavya Kolamkar FCA33

Topic- Energy Stored in Capacitor

Proof of resources shared: Screenshots Attached













Conduction platform: Offline Presentation in classroom

Recorded session video link: NIL



Assessment tool used to check learning of the Students:

Innovative Practices in Teaching Learning- Peer Learning

Description of the activity: The academically strong and slow learner's students were selected based on their previous exam performance. Each student was asked to present one topic from current syllabus. Presentation was followed by Question answers session. All present student were allowed to take part in the discussion.

Process followed for performance Evaluation: Meer Observation by faculty for involvement of students during the discussion.

Impact of the innovative practice:

The whole class will be able to learn, understand & remember all concepts of the selected topic. Students' confidence increases multifold times and significantly benefited in their communication skills. Such a practices motivate other students as well for the class presentation participation in future.

Signature of the Course Teacher (Kasar A.B)

