



DODLA KOUSALYAMMA GOVERNMENT COLLEGE FOR WOMEN

Nellore, Andhra Pradesh - 524003

Autonomous College, College with Potential For Excellence

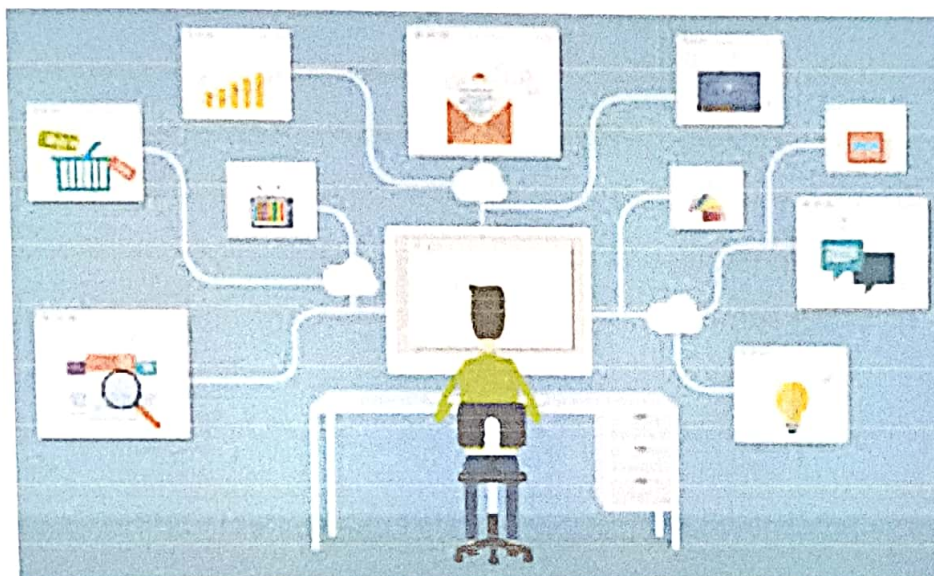
Re-accredited with 'A' Grade by NAAC



DEPT OF ZOOLOGY

REPORT ON

"ONLINE TOOLS FOR TEACHING & LEARNING DURING COVID"



2020-2021

BY

SMT. T. SRI RANJANI

IN- CHARGE, DEPARTMENT OF ZOOLOGY

CONTEXT:

Chalk and Talk is primarily teaching technology practiced all over, but the time demands e- learning resources for both enhancement of quality learning and teaching in higher education. In light of Covid-19 pandemic, a wide array of public and private services has been suspended countrywide. These services include schools, colleges, and universities. Among these entire situations how are you continuing teaching your students remotely?

Dep of Zoology understand the importance of education in the cognitive and affective development of our students and the ill effects of prolonged lack of quality instruction on the overall development of learners. Therefore, our dept of Zoology have utilized comprehensive online teaching and learning tools for effective remote teaching and learning. To provide our learners with quality instruction, we have employed a variety of digital tools in a coherent fashion.

Objectives:

- To make students learn subject in online mode
- Keeping Students Engaged through Distance Learning
- To assess students understanding of subject.
- Students can review concept, access prior knowledge of subject.
- To create interest among students by gamifying the tests

PRACTICE:

ICT has broken the monotony and provided variety in the teaching- learning process. Technology based teaching simplifies the part of teaching as a visual presentation. Students learn 80% of learning through visual. Visual presentation of the particular topic could be easily understood by the student with proper visualization and enjoy the new learning experiences. To enhance teaching- learning experiences in our zoology department varied technologies like ICT projector, dissection CDs and software, YouTube videos, zoology blogs. Social media is also playing significant role in motivating students. Our department is having Facebook page, Watsapp group which will be sharing department actives and subject related content, videos for benefit of students. Another notable usage is mobile teaching which is used by students for revising syllabus.

In 1 hour period of online teaching first 40 minutes are spent for teaching content of the particular topic by using online teaching platforms like Zoom, Google meet and Cisco webex and remaining 20 minutes is used for online evaluation.

• .

OBSTACLES FACED:

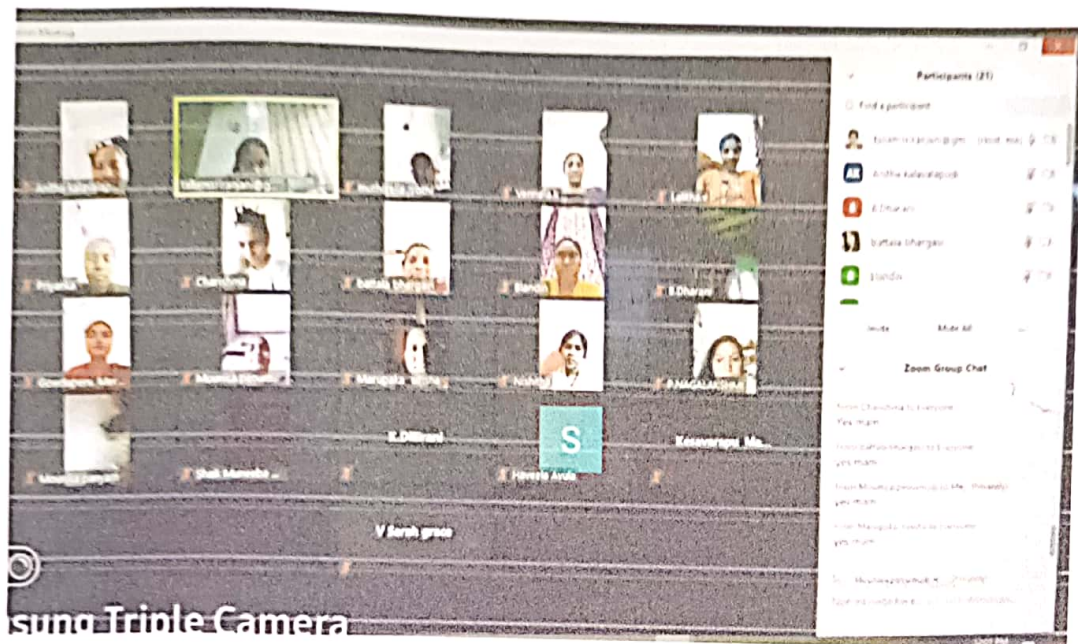
- Unreliable internet facility – High speed internet packages were used
- Smart phone usage by students- motivated parents to allow students to use smart phones

LIST OF ONLINE TEACHING & LEARNING PLATFORMS USED:

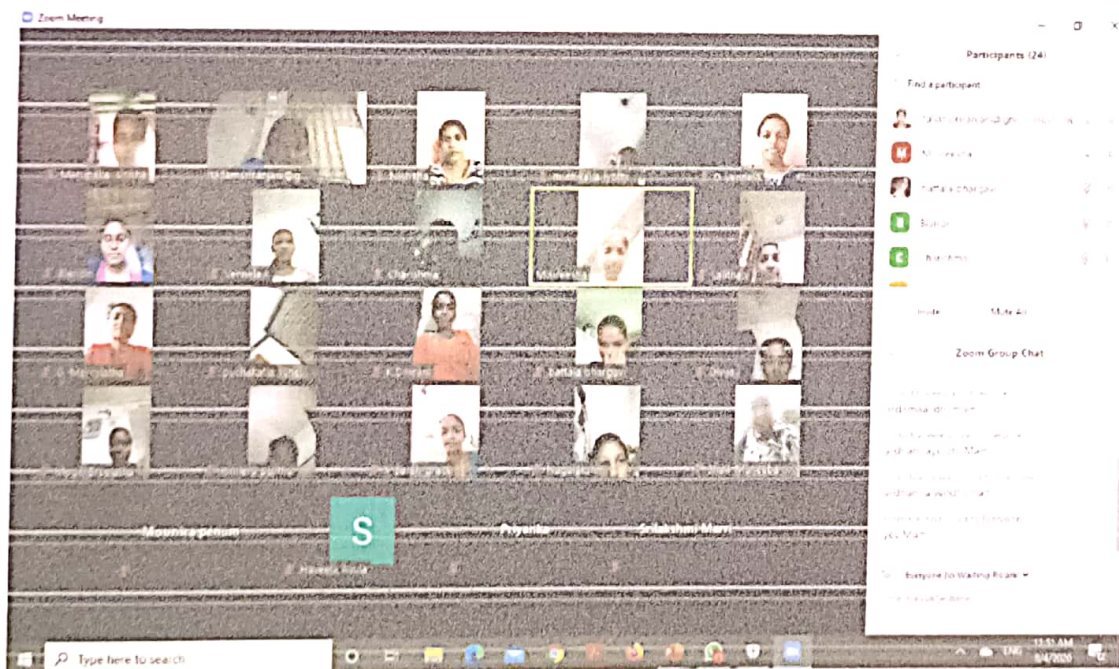
- ZOOM
- GOOGLE MEET
- CISCO WEBEX
- KAHOOT
- GOOGLE CLASSROOM
- GOOGLE FORMS

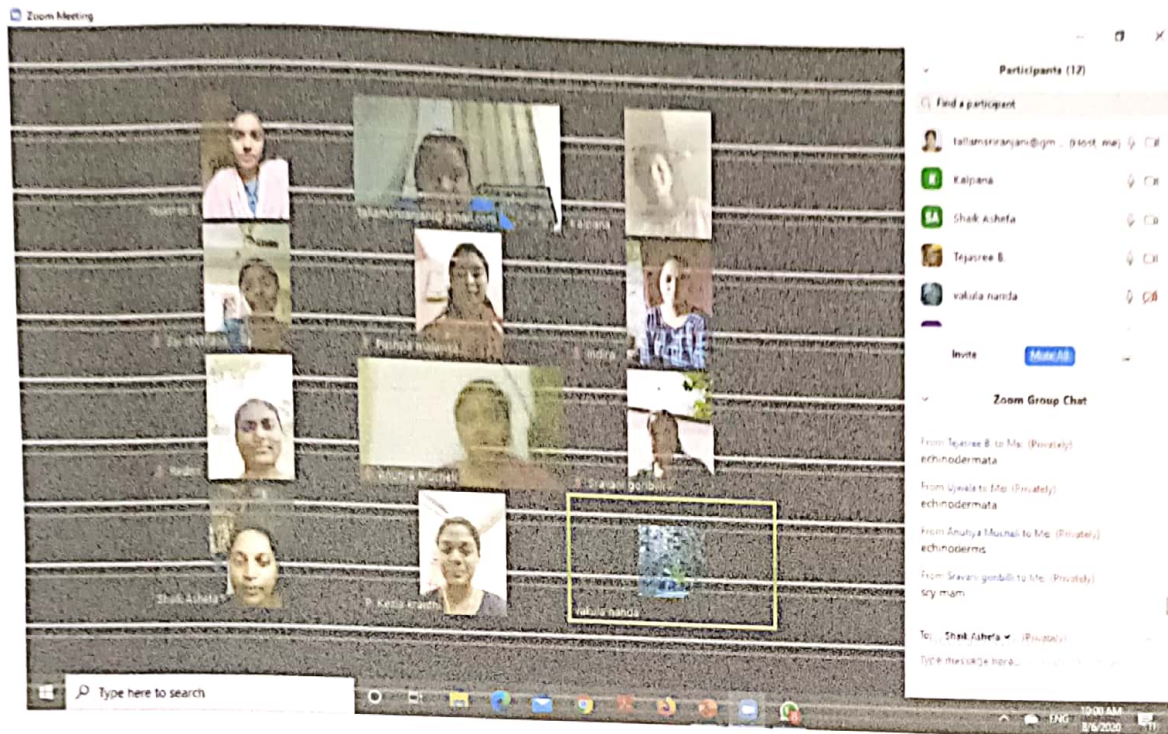
ONLINE TEACHING & EVALUATING TOOLS USED

With the safety of students and faculty in mind, the majority of schools and colleges across the country have altered their curriculums to include a variety of alternative instructional methods in addition to or in place of traditional in-person classes. One tool that has become a basic necessity for practically all instructors is video conferencing and with so many different teaching styles and course formats to take into consideration, schools are offering teachers and professors their choice of a few of the top platforms. Zoology staff used conferencing tools like Zoom, Cisco webex and Google meet for online teaching.

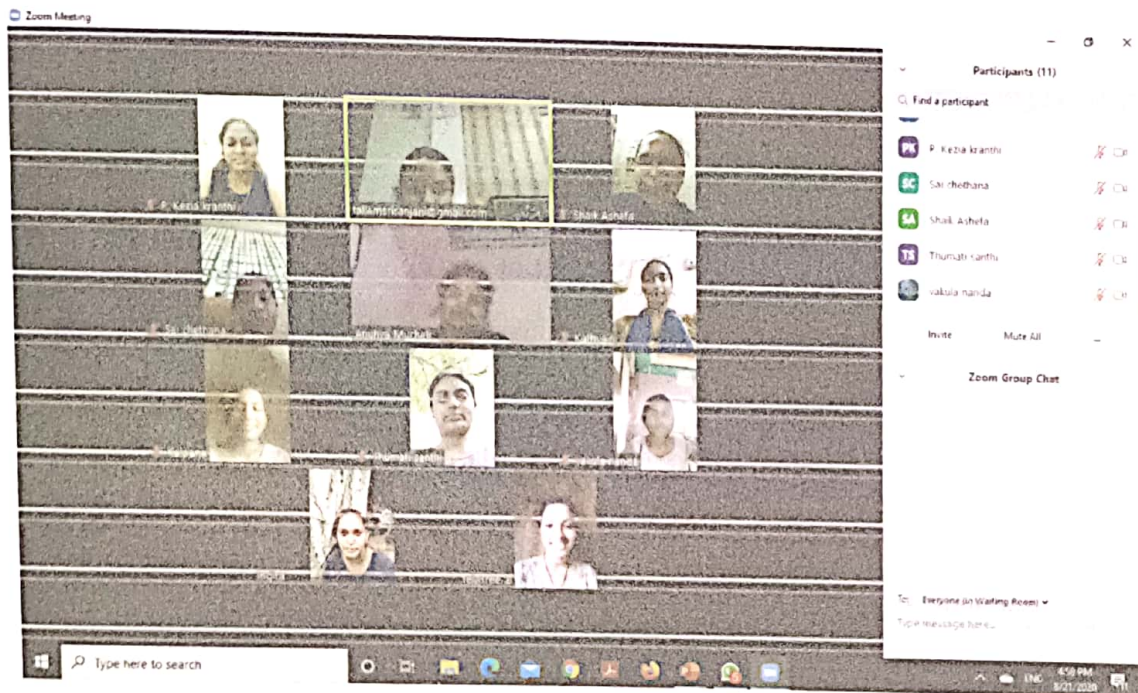


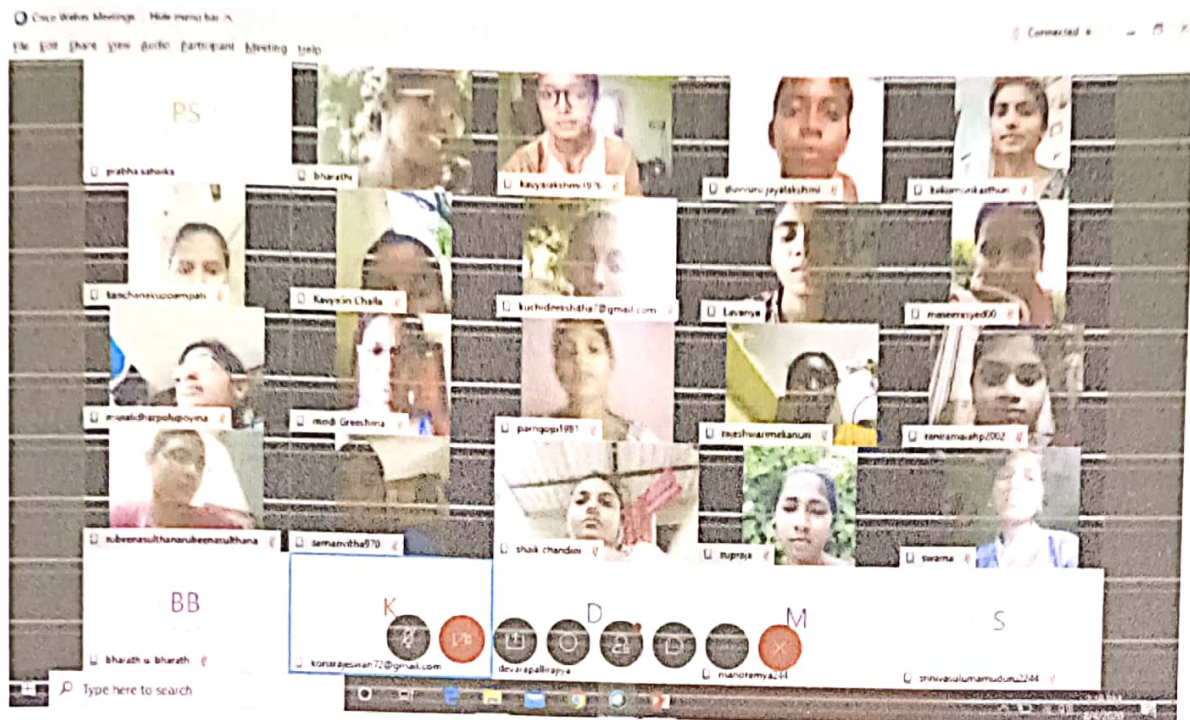
5th Sem Zoology Class



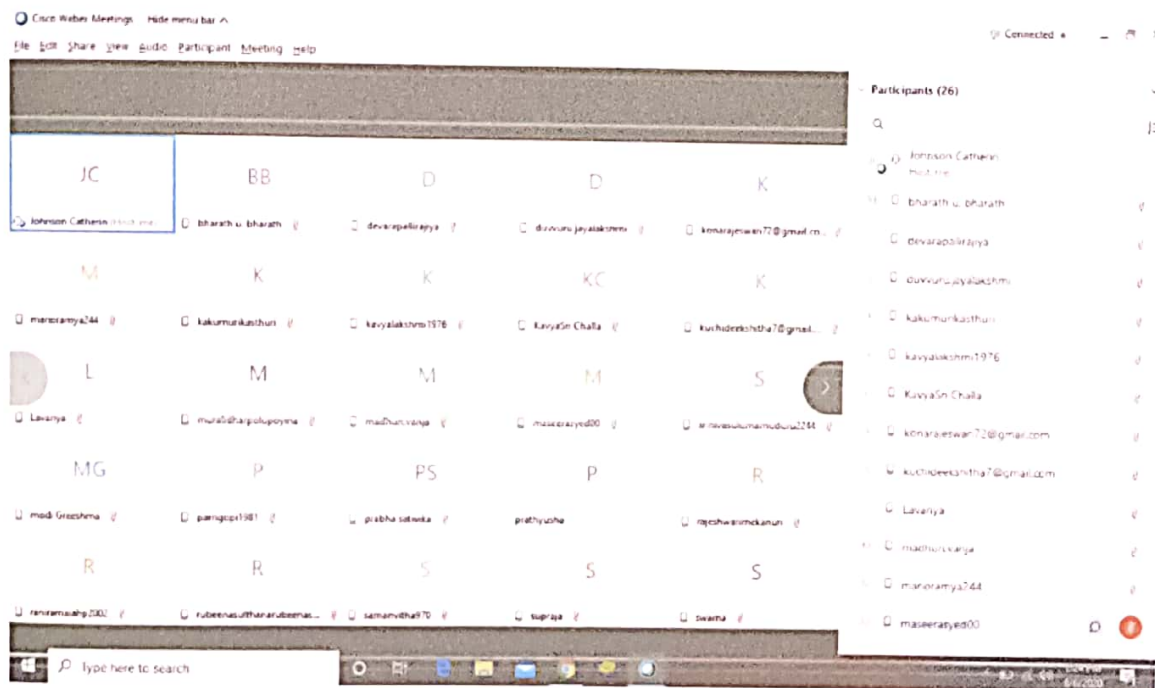


3rd Sem Embedded Zoology & Aquaculture Zoom Classes





3rd Sem Zoology Students Online Cisco Webex Class



ASSESSMENT TOOLS

KAHOOT

Kahoot! is a game-based learning platform, used as educational technology in schools and other educational institutions. Its learning games, "Kahoots", are user-generated multiple-choice quizzes that can be accessed via a web browser or the Kahoot app. Our Dept of Zoology developed 22 Kahoots for online teaching & Assessment purpose.

Kahoot is a free student-response tool for administering quizzes, facilitating discussions, and collecting survey data. It is a game-based classroom response system played in real time. Questions are projected on a shared screen, while players answer the questions with their smartphone, tablet, or computer, creating a social, fun and game-like environment. Kahoot allows for the design of multiple-choice quizzes as well as polls and surveys that populate on-the-spot data; the quiz questions and polls stimulate quick instructional decisions as well as whole-class discussion.

Kahoot! can be used to review students' knowledge, for formative assessment, or as a break from traditional classroom activities. Kahoot! also includes trivia quizzes.

Kahoot! is a game-based learning platform that brings engagement and fun. It only takes minutes to create a learning game or trivia quiz on any topic. **Kahoot!** is a game-based learning platform, used as educational technology in schools and other educational institutions.

Its learning games, "**Kahoots**", are user-generated multiple-choice **quizzes** that can be accessed via a web browser or the **Kahoot** app.

Dept of Zoology developed 20 kahoots covering all papers of Zoology and Aquaculture for both UG & PG students. Picture kahoot quizzes in Zoology papers like Invertebrates and vertebrates are developed to create interest among students.

GOOGLE CLASSROOM & FORMS:

Formative assessments help you make sure students are continuing to progress while away from College. We can check for understanding during group instruction by asking a poll question in the middle of a lesson and showing the results in real time. This can also help you "take attendance" in a virtual setting. Quizzes in Google Forms offer auto-grading features, allow you to embed videos, images, and as many answer choices as you want. You can also assign graded

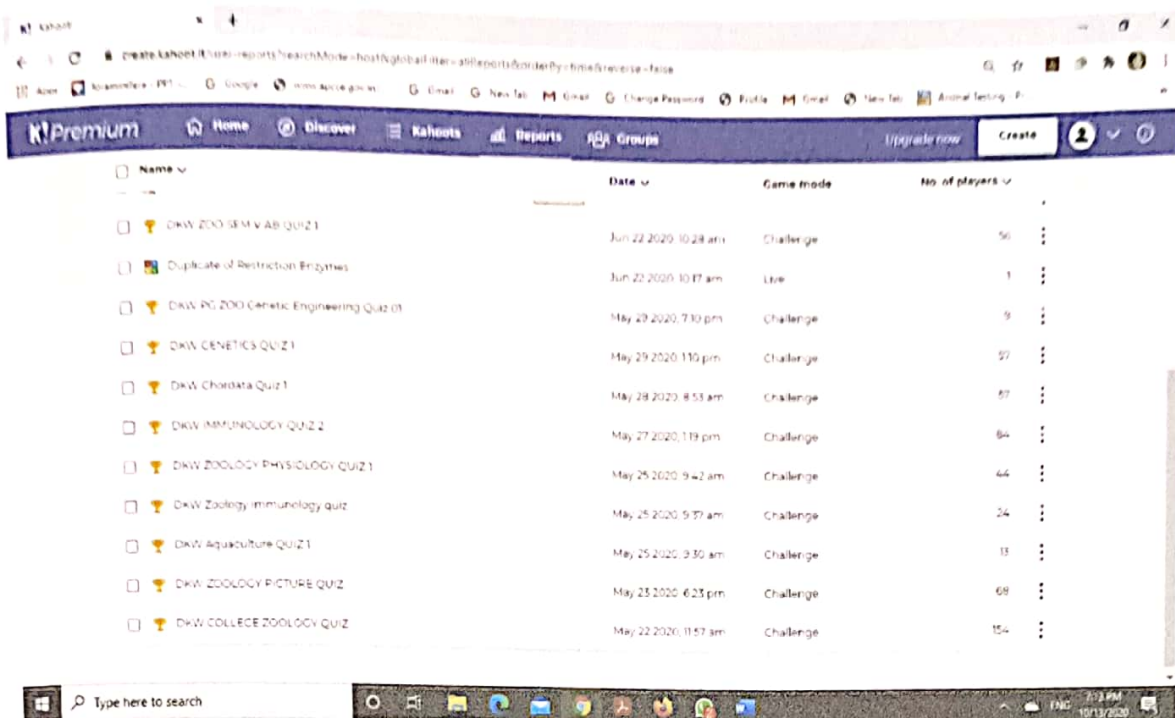
discussions in Google Classroom, and students can demonstrate their knowledge through project-based learning assignments using Slide presentations, Docs or Sites.

KAHOOT WEBPAGE OF ZOOLOGY DEPT

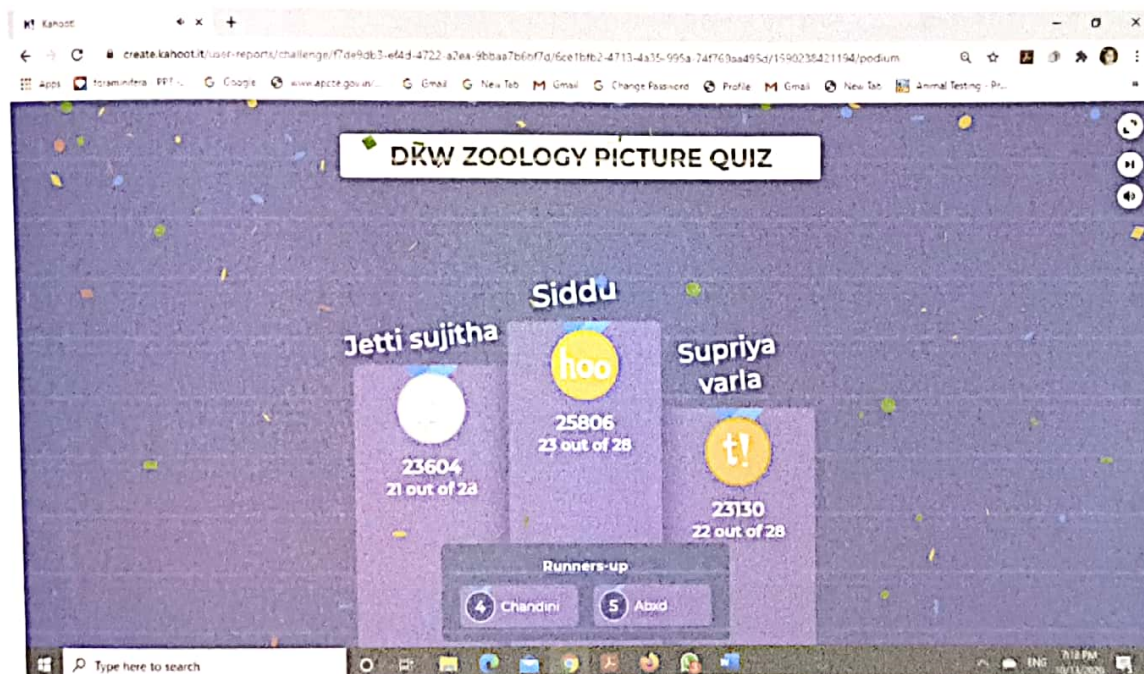
The screenshot shows the Kahoot! homepage for a user named Sri Ranjani Tallam. The interface includes a navigation bar with links for Home, Discover, Kahoots, Reports, and Groups. A banner at the top promotes 'NEW! Teach interactive lessons with Premium+'. The main content area is divided into several sections: 'What's new' featuring articles about Kahoot! EDU, Kahoot! features, and Kahoot! EDU; 'My Kahoots' showing a list of quizzes including 'DKW SEM 3 ZOO QUIZ 1', 'Electrophoresis & PCR quiz DKW ZOO', and 'Electrophoresis quiz DKW ZOO'; and 'Challenges in progress' with a 'Learn more' button. The bottom of the page shows a Windows taskbar with various application icons.

The screenshot shows the 'My Kahoots' page for the user Sri Ranjani Tallam. The page displays a list of quizzes created by the user, including 'DKW SEM 3 ZOO QUIZ 1', 'Electrophoresis & PCR quiz DKW ZOO', and 'Electrophoresis quiz DKW ZOO'. Each quiz entry shows the number of questions, the creator's name, and the number of plays. There are 'Play' and 'Edit' buttons for each quiz. The left sidebar contains navigation options like 'My Kahoots', 'School of Awesome', 'Favorites', 'Shared with me', and 'My drafts'. The bottom of the page shows a Windows taskbar with various application icons.

LIST OF KAHOOT DEVELOPED BY OUR ZOOLOGY DEPT



Name	Date	Game mode	No. of players
DKW ZOO SEM V AB QUIZ 1	Jun 22 2020, 10:28 am	Challenge	56
Duplicate of Restriction Enzymes	Jun 22 2020, 10:17 am	Live	1
DKW PG ZOO Genetic Engineering Quiz 01	May 29 2020, 7:10 pm	Challenge	9
DKW GENETICS QUIZ 1	May 29 2020, 1:10 pm	Challenge	57
DKW Chordata Quiz 1	May 28 2020, 8:53 am	Challenge	87
DKW IMMUNOLOGY QUIZ 2	May 27 2020, 1:19 pm	Challenge	84
DKW ZOOLOGY PHYSIOLOGY QUIZ 1	May 26 2020, 9:42 am	Challenge	44
DKW Zoology immunology quiz	May 25 2020, 9:57 am	Challenge	24
DKW Aquaculture QUIZ 1	May 25 2020, 9:30 am	Challenge	13
DKW ZOOLOGY PICTURE QUIZ	May 23 2020, 6:23 pm	Challenge	68
DKW COLLEGE ZOOLOGY QUIZ	May 22 2020, 11:57 am	Challenge	154



Kahoot! Premium

NEW! Teach interactive lessons with Premium, a brand new plan for teachers and schools!

Home Discover Kahoots Reports Groups Upgrade now Create

SR RANJANI TALLA

Questions (13)

1- Quiz
Gel electrophoresis separates macro-molecules by...

2- Quiz
The gel has a matrix that can be defined as what?

3- Quiz
What is the purpose of the buffer solution in the electrophoresis tank?

4- Quiz
The gel inside the electrical field has only a positively charged end.

Electrophoresis quiz DKW ZOO

0 favorites 2 plays 39 players

Play Edit

Challenges in progress

Ends in 1 day View challenge info

microtopedil 1 day View challenge info

Type here to search

KAHOOT ON ELECTROPHORESIS

Kahoot! Premium

Report

Electrophoresis quiz DKW ZOO

Report options

Challenge

Ends in 1 day

Start date: Jul 28 2022 10:00 pm

End date: Jul 31 2022 12:00 pm

Hosted by SR RANJANI TALLA

Summary Players Questions

All (37) Need help (15) Didn't finish (6)

Nickname	Rank	Correct answers	Unanswered	Final score
Kavya	1	100%	—	19 918
Supriya	2	100%	—	19 477
V Sarah grace	3	100%	—	19 433
P geethanjali	4	95%	—	17 058
Vani	5	87%	—	16 578
muthikella jyoti	6	95%	—	16 175

Type here to search

create.kahoot.it

Home Discover Kahoots Reports Groups

NEW! Teach interactive lessons with Premium*, a brand new plan for teachers and schools!

Search Kahoots

Find Kahoots from verified educators and posters

Latest reports

Aug 12 2020 DKW SEM 3 ZOO QUIZ 1
Electrophoresis quiz DKW ZOO
Change teacher - See results
Electrophoresis quiz DKW ZOO

3.8k plays
39 plays
56.3k plays

More awesome smart! Search millions of kahoots on any topic

Discover kahoots

Top picks

Kahoot! Premium* Interactive lessons and more

Kahoot! Academy

World Teachers' Day

See all 120

create.kahoot.it

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Kahoot! Premium* Interactive lessons and more

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World Teachers' Day

See all 120

To search

we to search

Free to search

create.kahoot.it

Home Discover Kahoots Reports Groups

16 All reports

Hosted by me

All (20) Live games (4) Challenges (16)

Name	Date	Game mode	No. of players
Duplicate of Polymerase Chain Reaction (PK 6)	3 Jun 2020 10:51 am	Live	1
DKW ZOO SEM V AB QUIZ 2 26/06/2020	3 Jun 2020 9:56 am	Live	1
Duplicate of Recombinant DNA and Biotechnology	3 Jun 2020 9:47 am	Live	1
Duplicate of Evolution (PK 6)	3 Jun 2020 8:07 am	Live	1

See to search

create.kahoot.it

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NEW! Tech interactive lessons with Premium*, a brand new plan for teachers and schools!

DKW ZOO SEM V AB QUIZ 2 26/06/2020

DKW ZOO SEM V AB QUIZ 1

DKW COLLEGE ZOOLOGY QUIZ

See to search

create.kahoot.it

Home Discover Kahoots Reports Groups

Rank

Name	Correct answers	Unanswered	Final score
idanki vani	9	0	93.86%
Iya Lakshmi	10	0	97.48%
spa	11	1	94.82%
min	12	0	93.33%
eswari	13	2	90.98%
khya kunjan	14	0	97.46%
tha	15	0	95.25%
nreeba	16	0	99.96%
d	17	0	99.96%
nastree	18	0	98.93%
astree	19	0	98.27%
RTY	20	0	99.41%

See to search

create.kahoot.it

Home Discover Kahoots Reports Groups

IMMUNOLOGY QUIZ 2

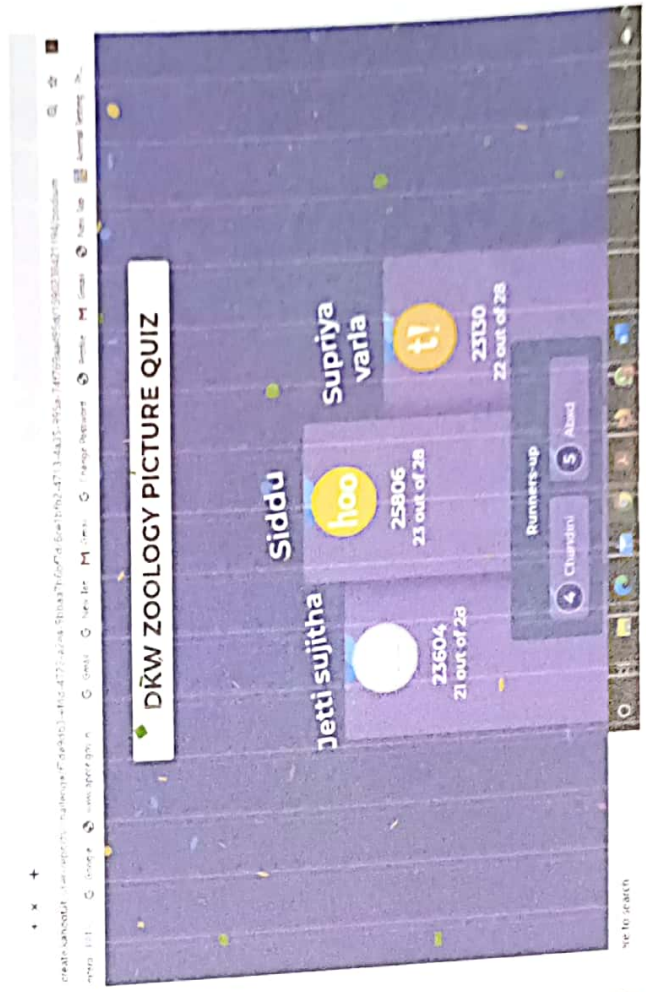
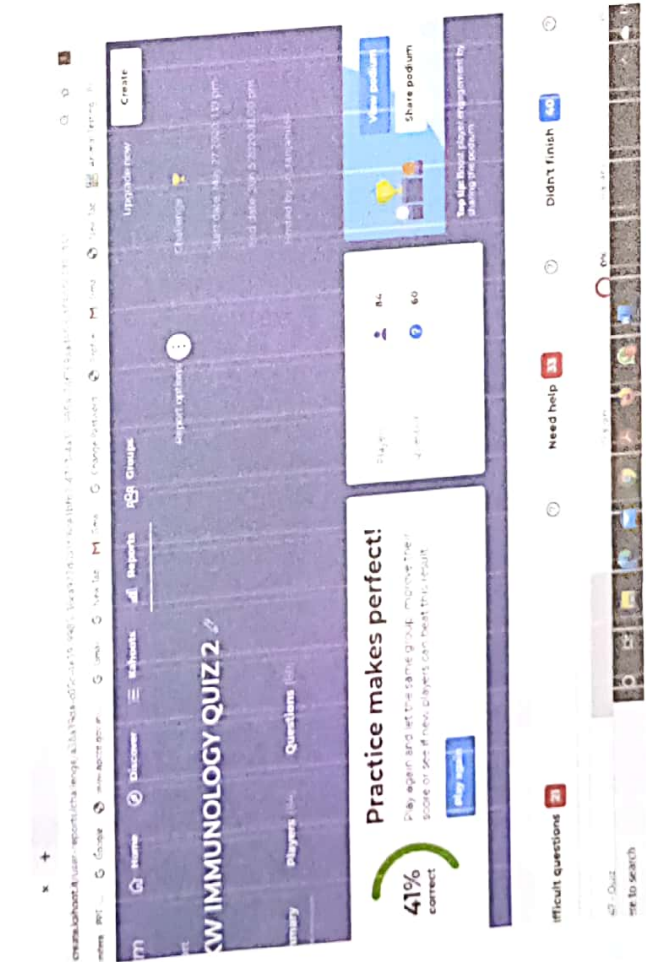
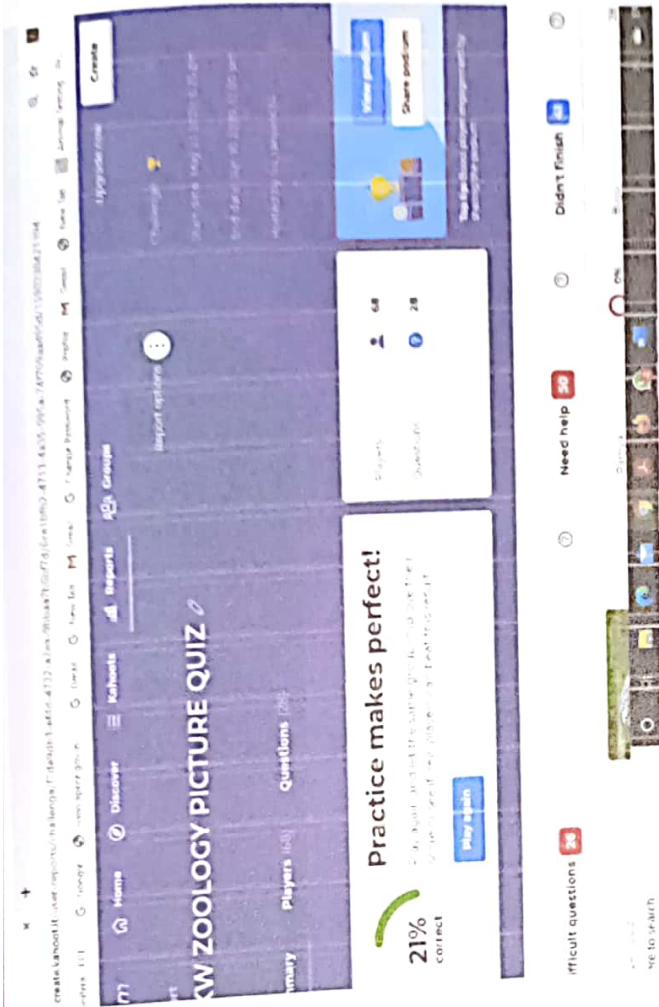
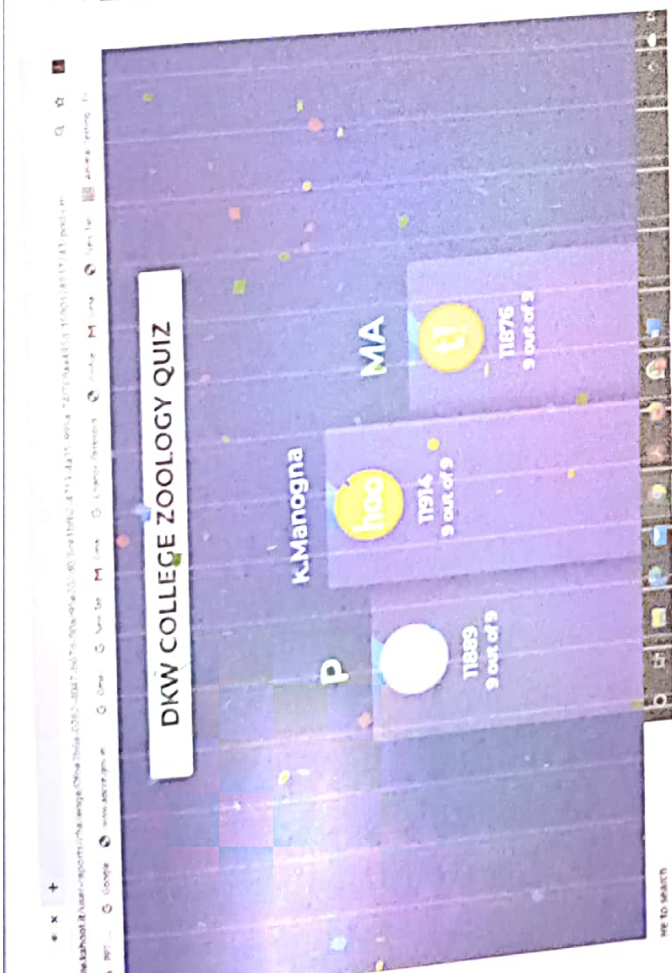
Players (84) Questions (40)

Need help (33) Didn't finish (40)

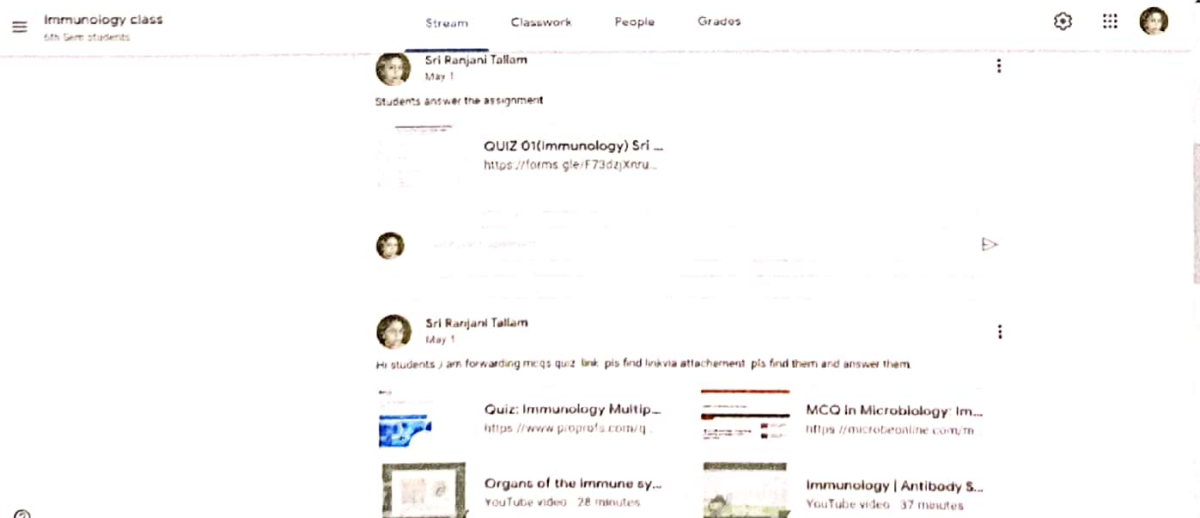
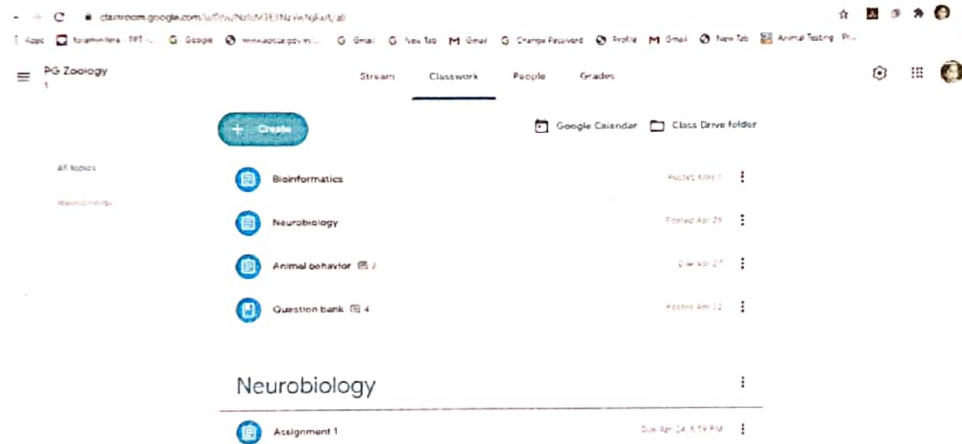
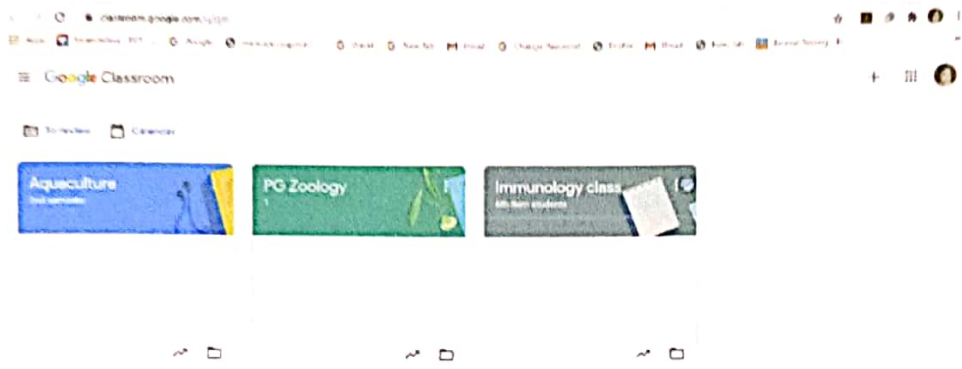
Rank

Name	Correct answers	Unanswered	Final score
asrgrace	1	0	92%
ya	2	0	95%
..Aishya	3	0	92%
akshi	4	0	84%
i	5	0	87%
	6	0	89%

See to search

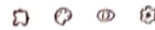


GOOGLE CLASSROOM



GOOGLE FORM QUIZZES

QUIZ 01(Immunology) Sri Ranjani Tallam



Send



Questions Responses 11

Total points: 15

QUIZ 01(Immunology) Sri Ranjani Tallam

DEPT OF ZOOLOGY,D.K.GOV'T COLLEGE FOR WOMEN(A),NELLORE

Email address *

Valid email address

This form is collecting email addresses. [Change settings](#)

College name

Short answer text

1. Which of the following does not protect body surface *

docs.google.com/forms/d/10iH0DB0yKYSHY6nel6RI-TdWq-nGTZTc-ZlghvTarg/edit#responses

Apps foraminifera - PPT ... Google www.apcce.gov.in/... Gmail New Tab Gmail Change Password Profile Gmail New Tab Animal Testing - Ph...

18 responses



Accepting responses

Summary

Question

Individual

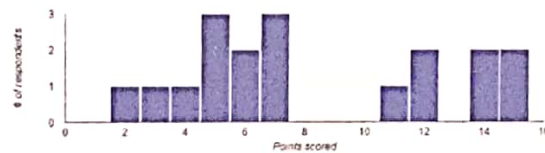
Insights

Average
8.33 / 15 points

Median
7 / 15 points

Range
2 - 15 points

Total points distribution



GOOGLE FORM QUIZ ON COVID 19

docs.google.com/forms/d/1MmUeXBevP5gg6wCokS_bMaugvdHfCGrZZoLYdMhDa/edit

Apps foraminifera PDF Google www.apcge.gov.in Gmail New Tab Gmail Change Password Profile Gmail New Tab Animal Testing - Pr

Questions Responses 351

Total points: 10



Section 1 of 2

AWARENESS QUIZ ON COVID19

DEPARTMENT OF ZOOLOGY, D.K. GOVT. COLLEGE FOR WOMEN (A), NELLORE

This quiz is to create awareness among students and public on covid19 and safety measures to follow

Email address *

Valid email address

This form is collecting email addresses. Change settings

docs.google.com/forms/d/1MmUeXBevP5gg6wCokS_bMaugvdHfCGrZZoLYdMhDa/edit#responses

Apps foraminifera PDF Google www.apcge.gov.in Gmail New Tab Gmail Change Password Profile Gmail New Tab Animal Testing - Pr

351 responses

Accepting responses

Summary

Question

Individual

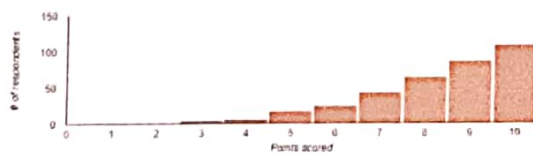
Insights

Average
8.32 / 10 points

Median
9 / 10 points

Range
3 - 10 points

Total points distribution



AQUACULTURE QUIZ

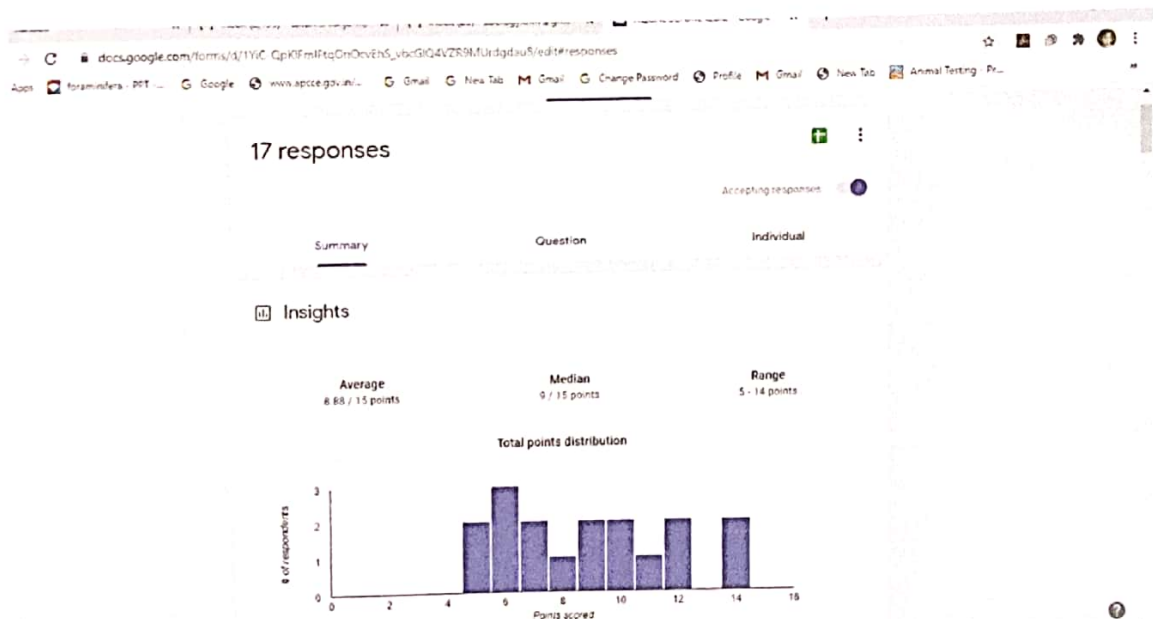
QUIZ 1 (28/04/2020) AQUACULTURE 2ND SEMESTER

1 P.monodon belongs to order

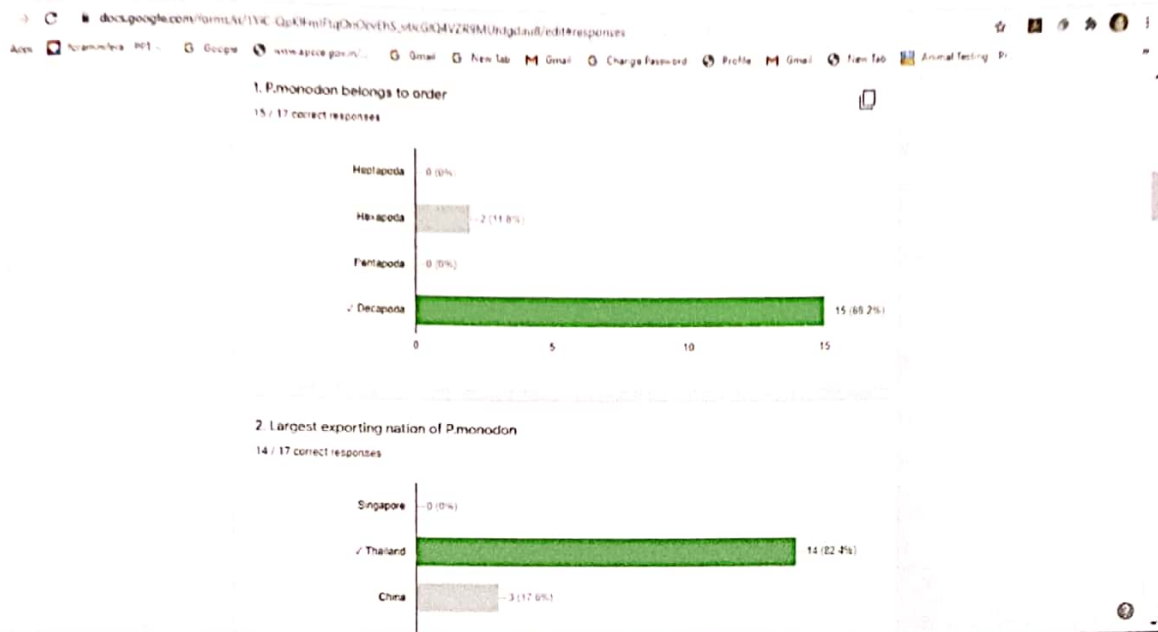
- ☐ Heptapoda
- ☐ Hexapoda
- ☐ Pentapoda
- ☐ Decapoda

2. Largest exporting nation of P.monodon *

GOOGLE FORM QUIZ IN AQUACULTURE



Google form graphical representation of students who attempted quiz



docs.google.com/forms/d/1YIC-QpK9m1f1qDnOvEhS_5t6GQ4VZ8RMUfngdaub/edit

2. Largest exporting nation of P.monodon *

☐ Singapore

☐ Thailand

☐ China

☐ India

3. Stage before Post larvae is called *

☐ Mysis

☐ Naupli

☐ Protozoa

☐ Adult

EVIDENCES OF SUCCESS:

- Using ICT has enabled appropriately paced and timely completion of syllabus which was a challenge to department during covid.
- Improvement of results and zoology marks in comparison to other subjects in both online and offline examinations.
- Students found content of courses more interesting and easier to learn.

Students found lot of interest and enthusiasm in answering online evaluation methods as we used game based kahoot, quizzes and Google forms for evaluation

K. S. Srinivasan
Aloha

K. S. Srinivasan
19.10.2020