# **OE4BW 2022 EDUSCOPE**

### TECHNOLOGY DRIVEN APPROACHES IN THE DEVELOPMENT OF COLLABORATIVE LEARNING

Presenter/Developer: Dr. Sonam Bansal

Mentor: Nurbiha A Shukor



### COURSE BROCHURE

#### The Learning outcomes of the course:

After the competition of this course learners will be able to:

Explain the concept of technology driven approaches in the teaching and learning.

Explain the use of pedagogy, andragogy, peeragogy, cybergogy and heutagogy in assessment.

Differentiate the role of different technology driven approaches in assessment through collaborative learning.

Select appropriate technology driven approach to improve learner's engagement in teaching and learning.

Analyze the importance of heutagogy in development of collaborative learning among learners.



A PART OF UNESCO INTERNATIONAL ONLINE MENTORING PROGRAMME





#### RAO LAL SINGH COLLEGE OF EDUCATION SIDHRAWALI, GURGAON ,INDIA

Campus address: NH-8, Sidhrawali, Gvurugram, Haryana 122413



#### RAO LAL SINGH COLLEGE OF EDUCATION SIDHRAWALI, GURGAON, INDIA

#### Offers free mooc TECHNOLOGY DRIVEN APPROACHES IN THE DEVELOPMENT OF COLLABORATIVE LEARNING

A course beneficial for pre-Service & In- service teachers in school/ college/university, Teacher educators, curriculum planners & policy makers, Graduate and post graduAte students & parents

#### FREE MOOC COURSE BEGINS 29<sup>th</sup> JULY 2022



### COURSE BROCHURE

#### About the course:

This course aims to know, understand and apply assessment of technology driven approaches in development of collaborative learning at school, college & university level.

Globally, education is a major concern. Most importantly, education shapes a nation's growth, society's evolution, and the values it promotes. Educators may use technology to foster 21st century skills including critical thinking, problem solving, detail orientedness, cooperation, and teamwork.

The Internet has become a vital part of most cultures' tapestries. Today's Internet is a vast picture window and portal into human perception, thinking, and behaviour.

Pedagogy is the study of how to teach children or dependent individuals. Andragogy is the facilitation of learning for self-directed learners. Heutagogy is the administration of self-managed learners' learning.

Like Web 2.0, education 2.0 encourages student-to-student and student-to-expert engagement. Cooperative learning, global learning initiatives, shared wikis, blogs, and other social networking tools are being used in the classroom by certain educators. Education 3.0 is a connectivist heutagogical method. They form a unique organism that has the potential to meet individual learner, educator, and even societal demands. Many resources for Education 3.0 are free to use.

#### **Course Overview**

Course Duration: 4 Weeks course

Mode of Delivery: Synchronous and Asynchronous

Platform: Canvas/ Google meet/ zoom

#### Introductory Video:

https://youtu.be/zfCM\_ZVE6Vk

Enrolment: Register with

https://canvas.instructure.com/enroll/8CMK7R

https://canvas.instructure.com/register

Join with class code:

8CMK7R

Telegram Link for updates: Join with

https://t.me/+M4o7UeVf51QyYzZI





Hub Coordinator: Jenni Hayman Dean, Academic Excellence and Innovation Ontario, Canada



Mentor: Nurbiha A Shukor Assoc. Prof. School of Education University Teknologi, Malaysia



Developer : Dr. Sonam Bansal Assistant Prof. R.L.S. COE, Sidhrawali, Gurugram,India

A certificate of completion will be awarded to participants who will complete the course requirements.

Contact Details: E-mail Id- sonambansal9099@gmail.com







- UNESCO Chair on Multimodal Learning
- and Open Educational Resources
- North-West University, South Africa

### **BASIC INFORMATION**



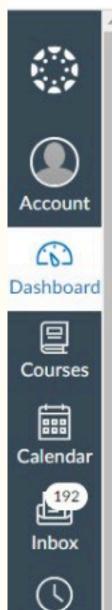
DEVELOPER: DR.SONAM BANSAL ASSISTANT PROF. R.L.S. COE, SIDHRAWALI, GURUGRAM, INDIA





MENTOR: NURBIHA A SHUKOR ASSOC. PROF. SCHOOL OF EDUCATION UNIVERSITY TEKNOLOGI, MALAYSIA 

#### 



History

### Dashboard

### Published Courses (4)



## UNESCO SDG





fiere are pedagogical frameworks for bringing technology into instruction, but they have not kept up with technology's advancement. Technology is becoming increasingly important in education, especially in light of the COVID-19 pandemic, where many programmes have migrated totally Entire Overlag in the print of the state of the second and the sec lives in addition to its effects on schooling. People are increasingly relying on technology to substitute placebased activities such as socializing with peers, conducting everyday life activities as a result of the pandemic. In the context of COVID-19, technology and social media are now common place in everyday news in human existence; educators must teach students how to use technology and how to use it constructively for personal and professional purposes. Most of the education is occurring by using Education 1.0 paradigm.

Mater He concept of technology driven approaches in the teaching and learning.

- Explain the use of pedagogy, andragogy, peeragogy, and heutagogy in assessment.
- Differentiate the role of different technology driven approaches in assessment through collaborative learning.
- Select appropriate technology driven approach to improve learner's engagement in teaching and learning.
- Analyze the importance of pedagogy, andragogy, peeragogy, and heutagogy in development of collaborative learning among learners.



### COURSE POSTER



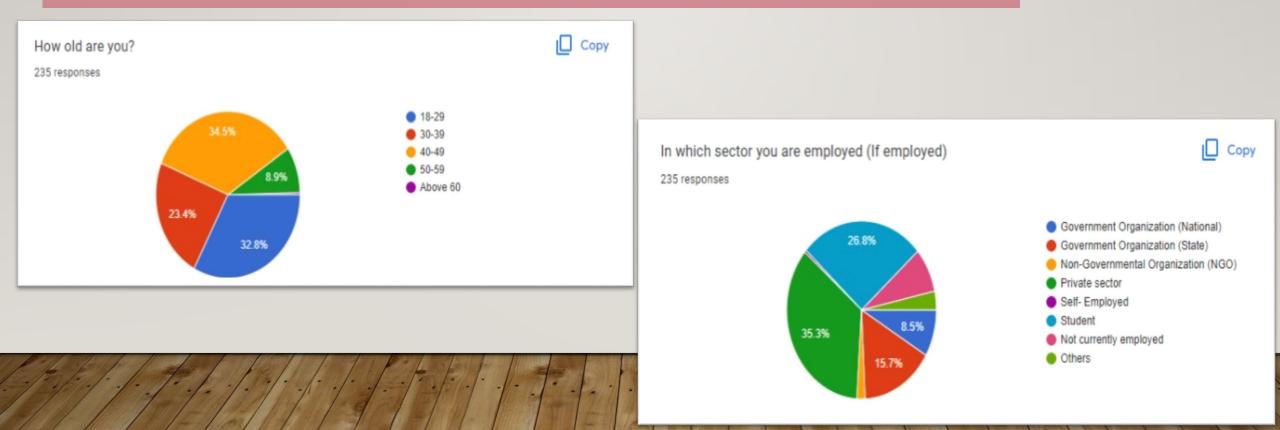
This course is offered under a CC Attribution Share Alike license. Content in this course can be considered under this license unless otherwise noted.

## PARTICIPANT INFORMATION

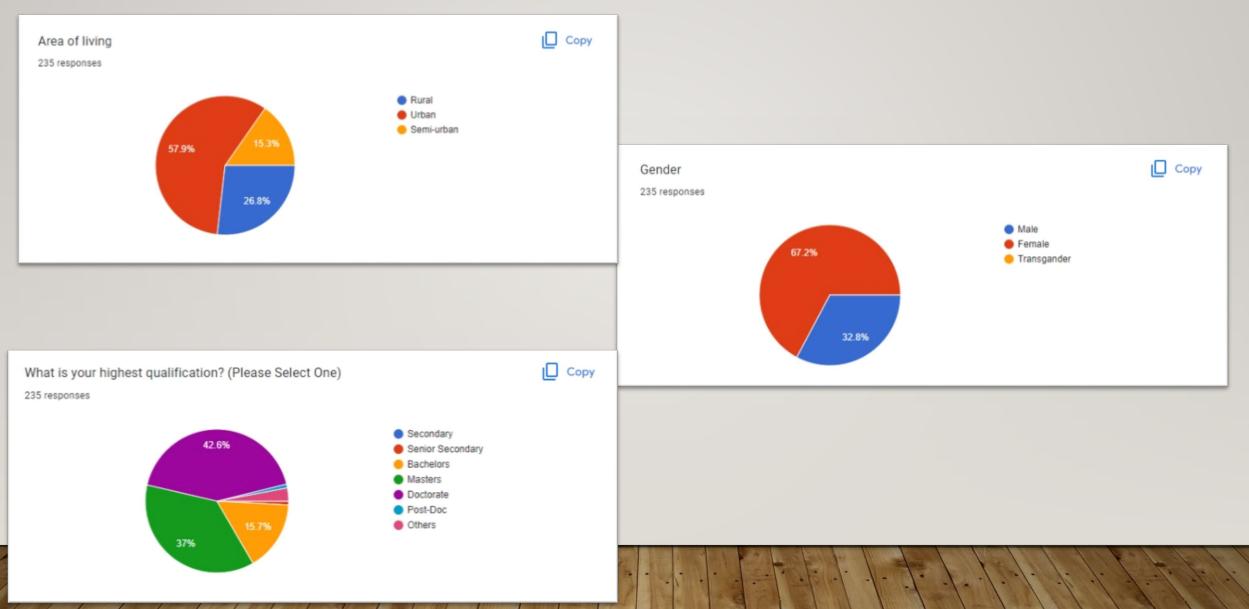
THE TOTAL NUMBER OF PARTICIPANTS REGISTERED IN THE COURSE = 542

THE ACTIVE USERS = 353

THE COURSE WAS COMPLETED = 328



## PARTICIPANT INFORMATION

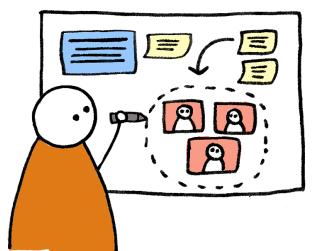


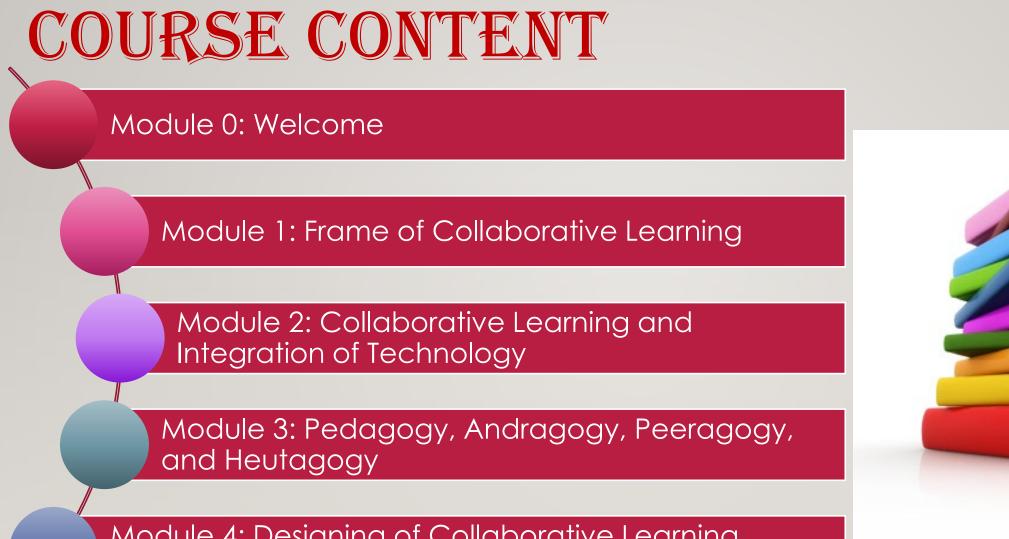
## COURSE DESIGN

- THE DESIGN OF THE COURSE IS OF FOUR WEEKS INCLUDING
- FOUR MODULES.
- WEEKLY DURATION OF THE COURSE IS OF 4 TO 5 HOURS.

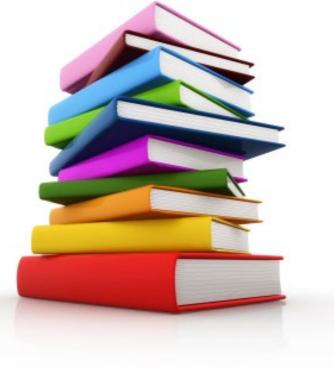
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DURATION OF THE COURSE FROM 29<sup>TH</sup> JULY, 2022 TO 10<sup>TH</sup> SEPTEMBER, 2022.

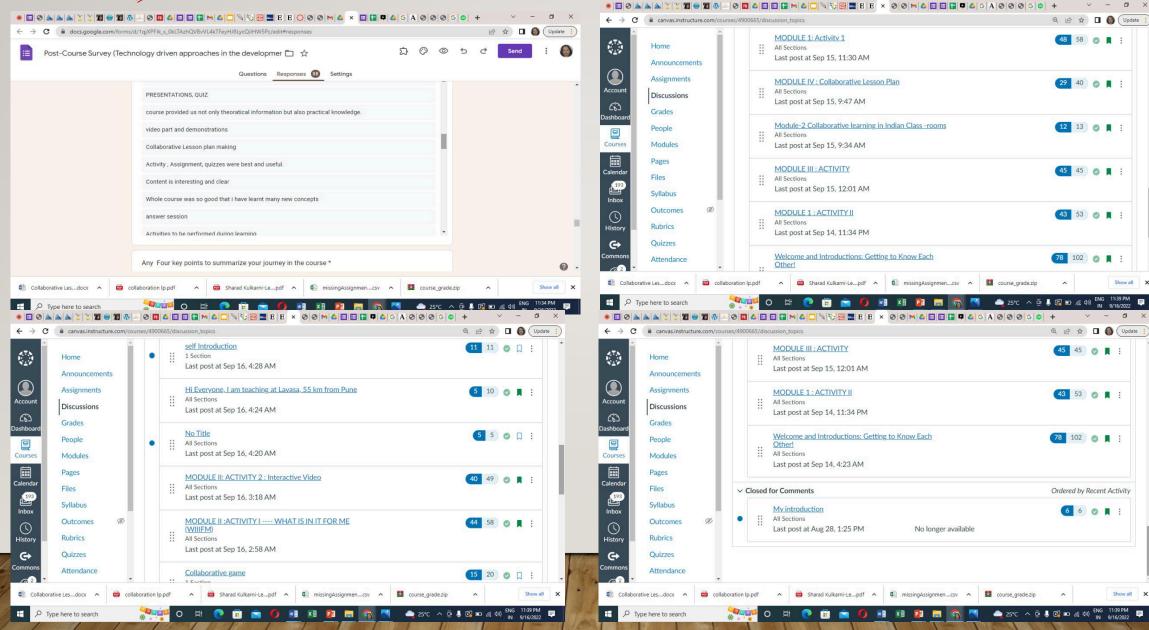




Module 4: Designing of Collaborative Learning Activities



## COURSE CONTENT



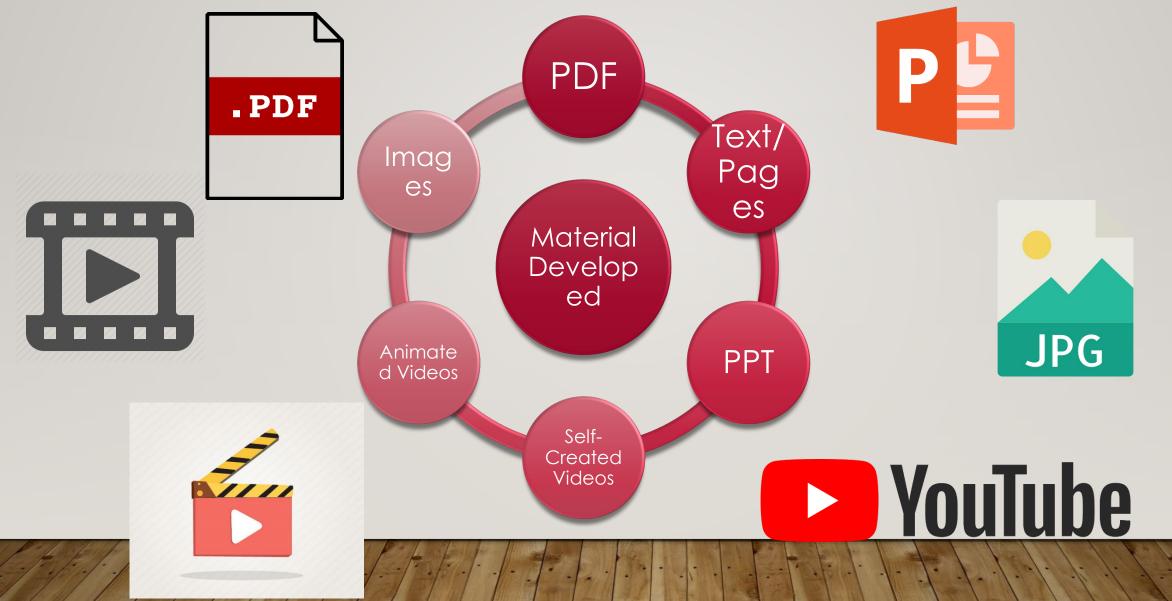
# COURSE & CTIVITIES

Implementation was done on weekly basis Including one pre-course and Post-course survey with weekly quizzes including 10 questions in each quiz.

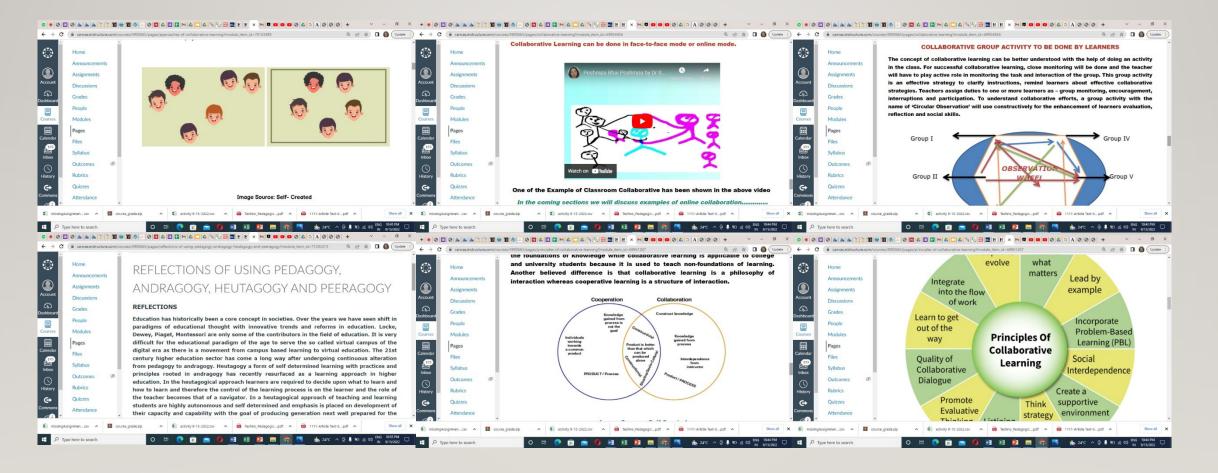
Diverse brainstorming activities were posted in discussion forums for active participation.



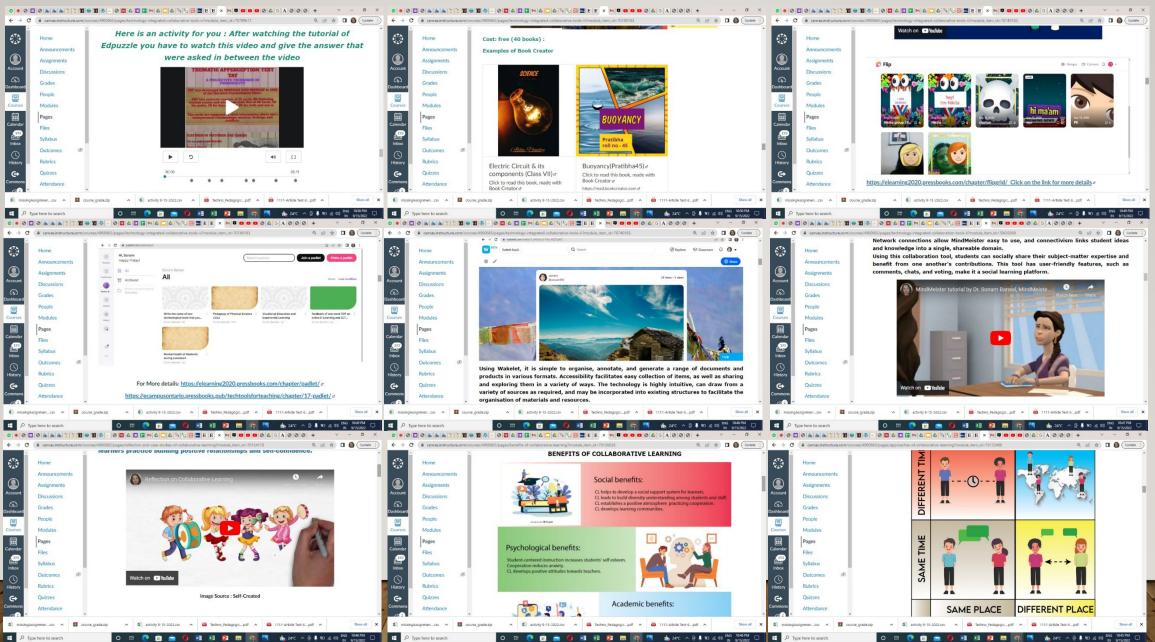
## MATERIAL DEVELOPED AND USED



### MATERIAL DEVELOPED AND USED HERE IS A GLIMPSE OF THE MATERIAL USED IN THIS COURSE:



### MATERIAL DEVELOPED AND USED



### COURSE DEPLOYMENT

### The course is offered on an online Learning Platform

### CANVAS

Joining link of the course:

https://canvas.instructure.com/enroll/8CMK7R

https://canvas.instructure.com/register

Joining link of the Telegram/ whatsapp :

https://t.me/+M4o7UeVf51QyYzZl

https://chat.whatsapp.com/F54FjQFTEwC1ZiMU1scH8s

### **COURSE FOCUS**

The main focus of the program delivery was or

**1. Active Learning of the Participants** 

2.Engagement of the learners.





### CERTIFICATE

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Technology Driven Appro	ompleted the Massive Open Or aches in the Development of (	Collaborative Learning
	BW, UNESCO Online Menton 29 <sup>th</sup> July to 10 <sup>th</sup> September, 20	
Dr. Sonam Bansal	Nurbiha A Shukor	Chaudlu Dr. Vandana Gandhi
(Course Developer and Instructor) Ast. Professor, Rao Lai Singh College of Education, Sidhrawalli, Gurugram, India	(Mentor) Assoc.Professor, School of Education University Teknologi, Malaysia	(Principal) Rao Lal Singh College of Education, Siddrawald, Gurugram, India

A certificate has been given to all those participants who had successfully completed the course.

### THE CHALLENGES AND OVERCOME

- Finding and gathering appropriate OER's for the course is difficult. The OER's I found were theoretical, so I developed videos and content for my course.
- 2. The second major issue was participant's technical glitches. The Participants first struggled with the transition from traditional to online learning, but they quickly learned how to successfully integrate technology in their classroom.

Throughout the course progress, my mentor Nurbiha advised and supported me to finish the course.

My hub coordinator Jennie and Anja mam have been really supportive in helping me to develop the course.



### FEEDBACKS



#### Satiya Qureshi Thanks ma'am for organising such a good course ,it was really great pleasure to learn this course under you. 6 1 17:03 Dr Vibha Chawla

Hello mam Mam you said in the start that its your 2nd mooc course Pls first wala again online kar de so that people like me can also get benefitted with that also ← 1 17:53

#### Dr Vibha Chawla

KS

Hello mam Mam you said in the start that ... Okay I will talk to UNESCO chair To open that 1 mood

#### Post-Course Feedback: Technology driven approaches in the development of Collaborative

Learning

Your response has been recorded.

Submit another response

Thank you ma'am for this wonderfully designed course. Finished my post survey. Hope you will introduce such courses in future too

#### кеткі затрите

It was a wonderful journey of 4 weeks. The modules were well presented and organised with various examples. The videos were very useful. It certainly enhanced our knowledge in techno-pedogody and improved our skills. It definitely will help is in our teachin-learning process. Thank you for being there all the time to motivate and guide us. We will definitely continue to remain in contact for continuous learning. Thank you once again for providing opportunity to interact with the group members and to take part in this course.

Dr. Richa Kapoor Mehra (TECHNOLOGY DRIVEN APPROACHES IN THE DEVELOPMENT 😝 😢 OF COLLABORATIVE LEARNING ) just sent you a message in Canvas. D Index R Dr. Richa Kapoor Mehra «notifications@instructure.com»

Sun, Sep 11, 9:02 PM (4 days ago) 🟠 🕤 🚦

#### Last Reminder

Dear Ma'am, Thank you so much for such a great learning experience. I have finished all the assigned tasks, as you can see I didnt do very well in the first two quiz, is there any chance of improvement? Please let me know. Also feel free to let me know in case there is anything pending from my side (assignments or Quiz). As far as my knowledge is concerned, I have tried my best to finish everything from my sir.

Thanks and Regards Dr. Richa Kapoor Mehra Assistant Professor Department of Philosophy

#### Dr. Kalpana kushwah (TECHNOLOGY DRIVEN APPROACHES IN THE DEVELOPMENT 8 2 OF COLLABORATIVE LEARNING ) just sent you a message in Canvas. 🗩 Intervention

Dr. Kalpana kushwah <notifications@instructure.com> to me \*

Mon, Sep 12, 11:27 AM (3 days ago) 🟠 🕤 🗄

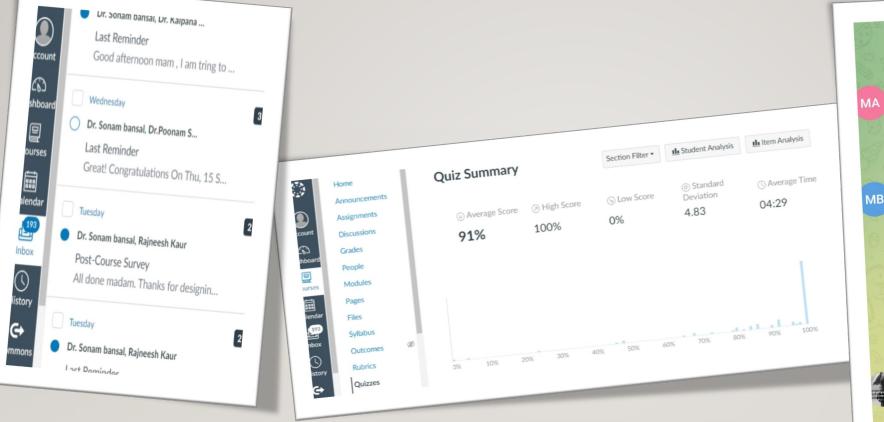
#### Last Reminder

FEEDBACK

Thanks Mam for your support during this course. I have compleated all assignments from my end. Kindly check and if find any incompleted activity ,please inform me.

Thanks again Dr. Kalpana Kushwah 9926244809

### FFFDBACKS



#### Moochky Anu

Sonam Bansal Good evening everyone Congregat... Thankyou So much Mam for such a wonderful Course. 🙏 🙏 09:17

#### Mridula Bhardwaj

Thank you Sonam Ma'am for being so supportive and communicative throughout the journey of this course.

#### Ramandeep Kaur

MB

3

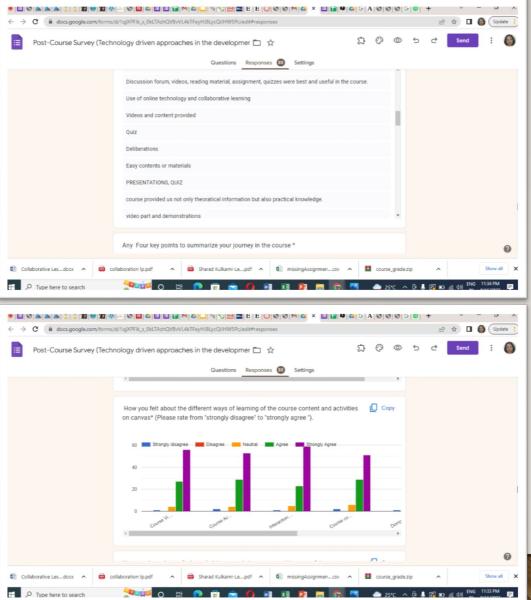
This course is really beneficial for me as well as my students. All modules, content, uploaded videos and pdf, quizzes etc. are really appreciable in every aspect.

Thanks a lot Mam to provide me such a wonderful and memorable learning experience. Thank you do much Mam. 21.28

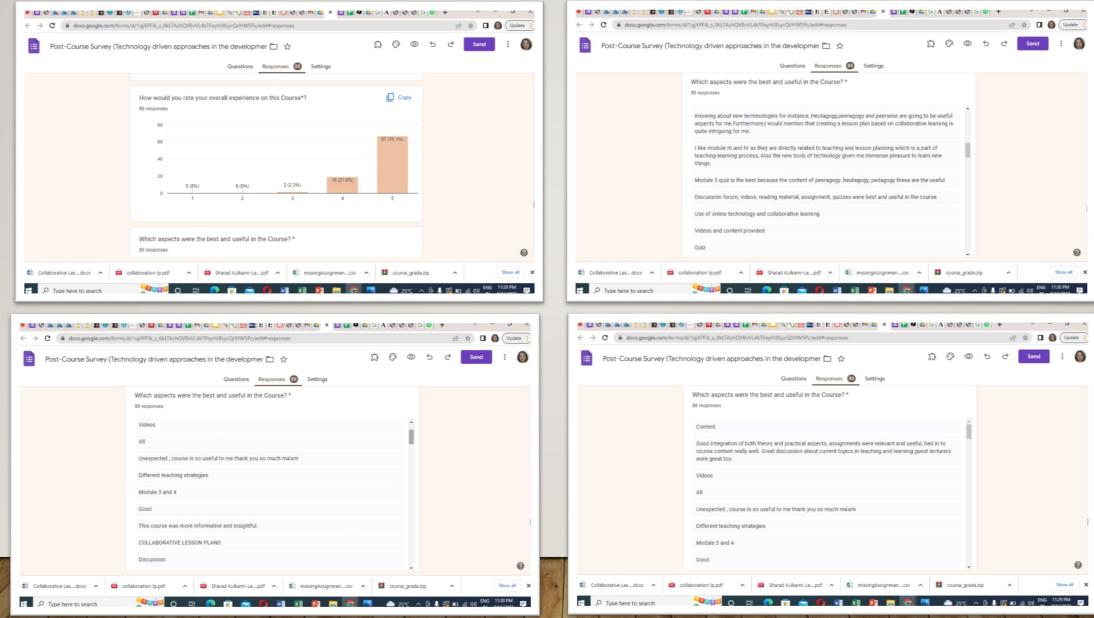
Thanks alot for your Appreciat

### POST COURSE SURVEY

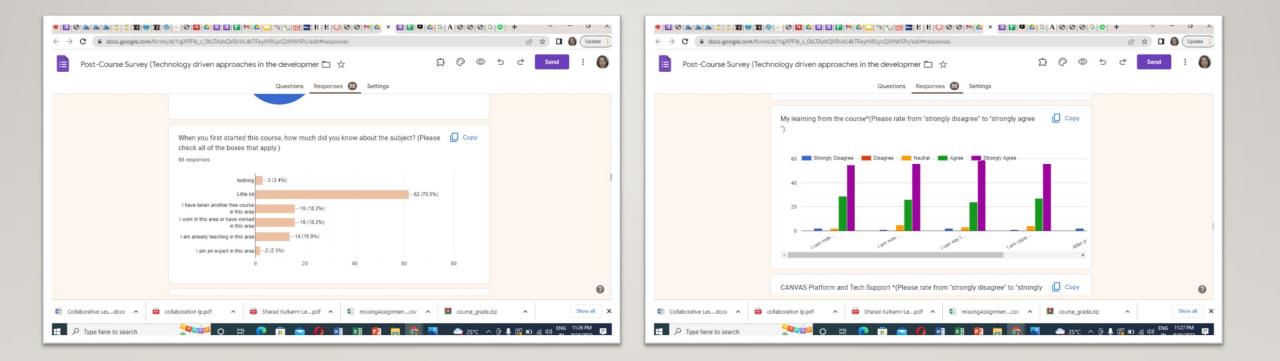
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	Very knowledgeable but some pages were too long			
	NA			
	Please tick mark the quiz that you have completed	Сору		
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	quiz of Module 1			
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	quiz of module 3	-84 (95.5%)		
	quiz of module 4	-83 (94.3%)		
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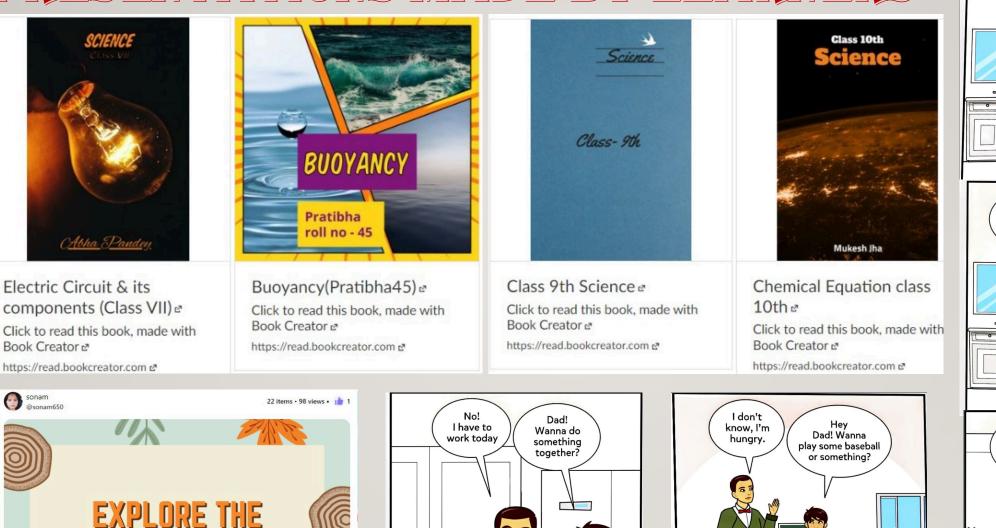
### POST COURSE SURVEY



## POST COURSE SURVEY



### PRESENTATIONS MADE BY LEARNERS



WONDERS OF

LEARNING



### PRESENTATIONS MADE BY LEARNERS





I have confusion

different types

Know about it?

Yes I knew it,

to raise their

children.

Parenting style is

a set of strategies

that parents use

of parenting

style.Do you

regarding

### SAMPLE OF LESSON PLANS MADE BY STUDENTS

#### Collaborative Learning Lesson Plan

Topic/Lesson:	Piecewise Function	
Lesson Duration:	1 hour	
Subject/Course;	General Mathematics	
Grade/Year Level:	Grade 11	
Materials/Equipment:	Power point Presentation	

II. Conducting the Lesson		
Lesson Objectives	Represent real – life situations using piecewise functions. Participate actively in the class discussion.	
Lesson Procedure	The teacher will discussed first the step by step procedure on how to get the answer. The students will be group in heterogeneous manner, wherein everyone will participate to get the correct answer.(Hey will write their answer on Manila paper. After getting the correct answer, every member of the group will be given step to discuss.	
Collaborative Learning Strategies	Group discussion and problem solving technique will be used for my students to experience positive interdependence. In group discussion, every member will be the leader. If in some times, they find difficulties in finding answer, other member of the group will help by explaining how they arrive in a particular answer.	

Name of Facilitator: Ms. Kiran Class: 9 Subject: Mathematics

Topic: Number System

#### **Objectives:**

At the end of this session, learners will be able to:

- To gain the knowledge of various types of numbers viz. natural numbers, whole numbers, prime numbers, rational numbers etc. which constitutes the Real number system.
- · To explore the relation between various types of numbers.
- To learn to insert rational numbers between two rational numbers.
- To appreciate the fact that infinitely many rational numbers can be inserted between two given rational numbers
- To learn to represent irrational numbers like \sqrt{2}, \sqrt{3}, \sqrt{5} etc on the number | line.

#### Learning Strategy: Jigsaw

Classroom Arrangement for Selected Cooperative Learning Strategy.

Each student is told to learn just a piece of the material, then teach it to the group. The group then works together to synthesize the information and create a presentation about what they've learned.

Students are divided in small groups. Than the lesson or required reading is divided into five or six separate sections. Each student is responsible for researching one part. Once the students have completed their research, they are bring back together to meet in small discussion boards or private video meetings to share what they've learned and to develop a greater understanding of the concept. The group assessed on their knowledge of all the materials with a group presentation, project, or essay.

#### Example of Lesson on

#### 'Organisational Behaviour'

#### A. OBJECTIVES

At the end of the session, students are expected to:

- To analyze and compare attributes to explain individual behaviour related to motivation and rewards.
- b. To identify the processes used in developing communication and resolving conflicts.
- c. To explain group dynamics and demonstrate skills required for working in groups (team building)

#### **B. SUBJECT MATTER**

Human Resource Management

Topic: Organisational Behaviour

Instructional Materials:

- Power Point Slides
- Caselets
- Role-play
- Interactive communication
- Reference Material (Internet Display)

#### C. VALUES INTEGRATED:

- · Multidisciplinary Nature
- Contribution of psychology, sociology, socio-psychology, anthropology, and political science
- · Concerned with the understanding and control of human behaviour in organization
- Behaviour and conflicts

#### Reference: https://opensax.org (Links to an external site.)

#### **D. PROCEDURE**

#### I. Preliminaries:

- i. Motivation through dialogue
  - Inter-active session
- ii. Recall: Elements of individual and group behaviour
- Recitation: Symptoms of good and bad behaviour
  - II. Activity
- i. Formation of groups for role play
- ii. Determination of roles to represent certain type of behaviour
- iii. Performing role-play

#### III. Discussion

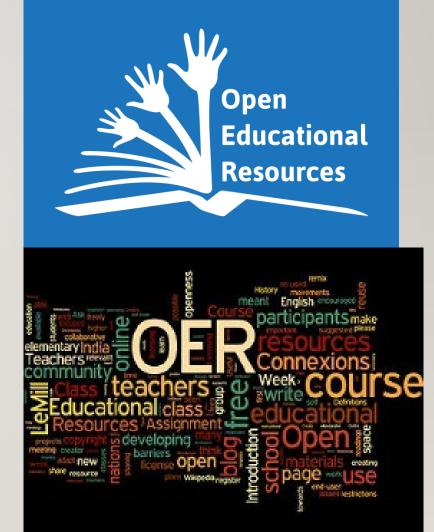
- i. Identification of causes and effects of behaviour performed
- ii. Suggesting measures to rectify bad behaviour and encouraging good behaviour.
  - IV. Synthesis
- i. Summerising through follow-up questions:
- ii. What do you mean by behaviour?
- iii. How to recognize good behaviour?
- II. Is it possible to improve behaviour? If yes, how?
  - V. Evaluation
- a. Elaborate the concept of 'Organisational Behaviour'.
- b. Enlist features of good and bad behaviour.

#### VI. Assignment

"Individual behaviour decides the result of organisational behaviour." Justify with appropriate illustration.

### IMP&CT OF OER

It will enhance the understanding and technologically enabled skills among learners. They apply collaborative learning approaches in their teaching to impart best outcomes among learners. This OER will create long lasting impact among the learners as this is the demand of the time after covid-19.Learners will plan collaborative lessons and apply among learners in their classes. This approach will be most suitable for learners who are living



### FUTURE PLANS

To further develop this notion, I intend to develop an advanced course on technology driven approaches in the development of collaborative learning. To benefit and develop how to use the technology among learners, I humbly urge that this course be replayed globally.





## THANKYOU NOTE

Age Group

84 responses

At the end of the course there was a very happy and good feeling that the journey of this course was very good. I was overwhelmed with the responses of the participants. It was a fantastic and meaningful experience for me.

> Copy How would you rate your current level of knowledge on Collaborative mode of Copy How would you rate your current level of knowledge on technology driven approaches teaching and learning?(please select one) \* in the development of collaborative learning? (please select one) \* 235 responses 235 responses <20 No knowledge No Knowledge 20-30 Basic Knowledg Basic Knowledge 0 30-40 Reasonable Knowledge Reasonable knowledge 40-50 Advanced Knowledge Advanced Knowledge 50-60 Experies Expert >60