



Department of Mathematics

2.3.2 The ICT enabled tools used by the department:-

1. Whatsapp group of the department.
2. Sending Pdf notes.
3. Online classes in platform:-
 - Google Meet
 - Zoom
4. You-tube Videos.
5. Projectors/ computers for teaching.

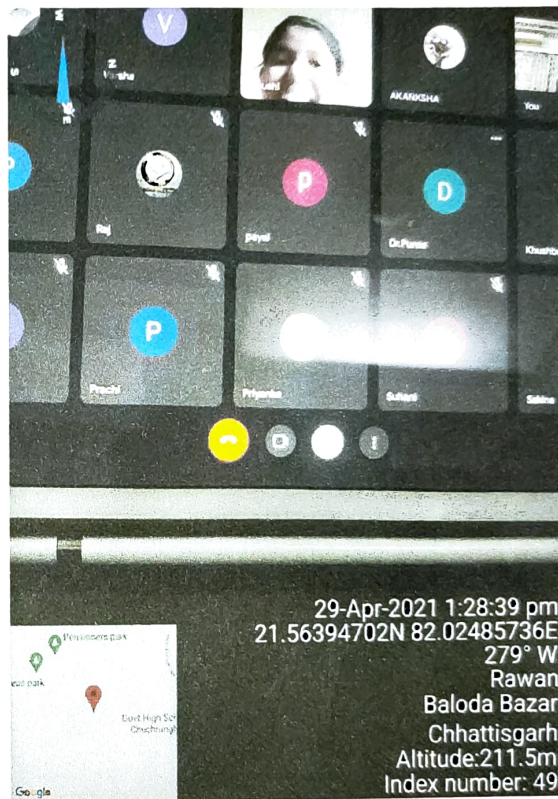
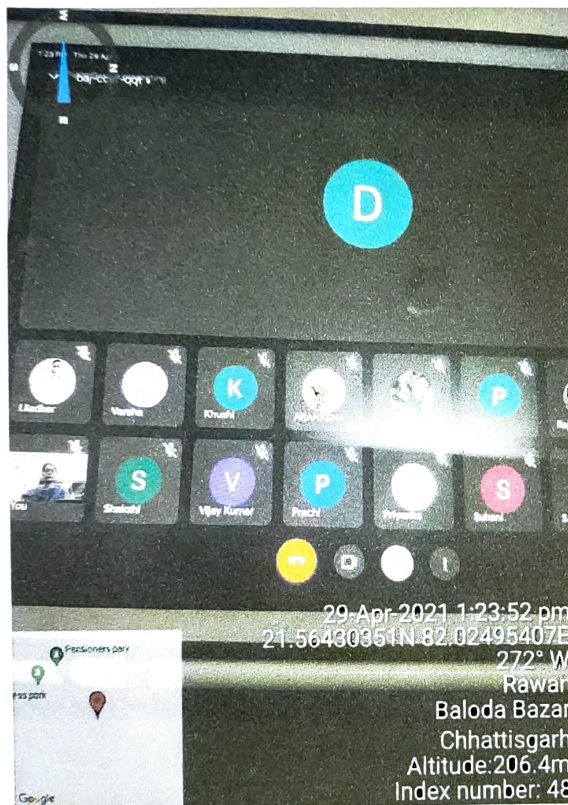
Principal
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(Dr. S.K. Bohra)

Department of Physics

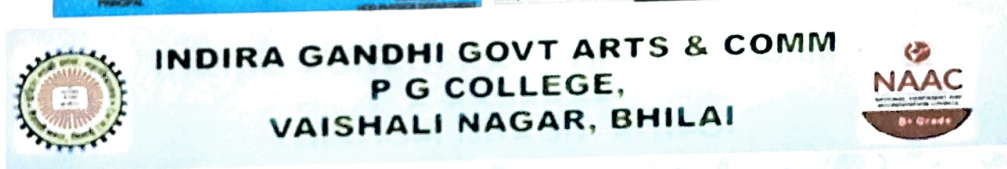
2020-21 ICT

1. Due to Covid the classes were taken on Google Meet Platform, and the PDF was send to student for better understanding.



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2. Virtual lab webinar was conducted on 15 June 2021 in which B.Sc. Part III Year students got benefitted.




Significance of "Virtual Lab" in current scenario



Organized By:
Faculty Of Science
Indira Gandhi Govt, Arts & Commerce P.G College,
Vaishali Nagar, Bhilai

15th June, 2021
06:00 PM

3. Six lectures were prepared and uploaded on You-tube Channel.
This link is: <https://youtu.be/fPMoVluEuRs>
4. Workshop on Low-Cost Instrument conducted Online.


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2.3.2 Teachers use ICT enabled tools for effective teaching, learning process

- Due to the Covid pandemic, online classes were conducted for both U.G. and P.G. (Chemistry Dept.) through Google meet platform.

Links:

<https://chat.whatsapp.com/KnPAIPE2Z6F6VRxyfBY7LT>

<https://meet.google.com/uhi-vmam-hqy>

<https://meet.google.com/ner-tehs-knh>

<https://meet.google.com/tcy-kvaw-jmp>

etc.

- Notes (PDF) on medicinal chemistry for M.Sc. IV semester students were uploaded on C.G. portal.
- YouTube video lectures were uploaded on the official C.G. portal site and Drug division central classes section.

Video links

<https://youtu.be/PLcKijxpOeU>

<https://youtu.be/hicYN-ImiFs>

<https://youtu.be/FPWq8tCSHlo>

<https://youtu.be/MoDlCNH-S0U>

<https://youtu.be/ksQeZChp8Vc>

<https://youtu.be/BWgcJb08SNQ>

https://youtu.be/HjW_Wus-NDY

<https://youtu.be/rnaYq98SqZI>

<https://youtu.be/zADj0k0waFY>

https://youtu.be/_jvIoQkpiG4

Meha

Head

Dept. of Chemistry

Indira Gandhi Govt. P.G. College
Vaishali Nagar, Bhilai

[Signature]

Principal

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<https://youtu.be/XOkiVyTacCw>

- Department of Chemistry has its own LCD projector and display screen which are used in regular basis for teaching and learning.
- Online ICT resources like Symmetry Gallery (i.e. Symmetry@Otterbein), NPTEL video lectures and notes are also used by the faculties to make subject basics easier for the students.
- To make students enable to understand and access available online materials a seven days' workshop was organized during the session 2020-21 on basics of computer following Government guidelines of unlock from 18.02.21 to 24.02.21 within the institutional level. The Head of Computer Science Department in our college, Mr. Suresh Kumar Thakur was the main speaker in this interactive workshop where students learned basics of computers useful in Chemistry. The modules for this workshop included:

Module 1: Introduction to MS-office 2010 and use of Microsoft word.

Module 2: Use of Microsoft Excel to prepare data sheets

Module 3: Use of Microsoft Excel for calculations and graphical representations

Module 4: Use of Microsoft PowerPoint for slide preparations

Module 5: Preparation of slides with effective animations

Module 6: Internet surfing and introduction of various search engines

Module 7: Use of ICT tools Chemistry (Chemdraw 11, Origin 9.8 pro and Symmetry gallery)



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Department of Computer Science

ICT tools used in Computer Science Dept for Better Enhancement in Teaching Learning

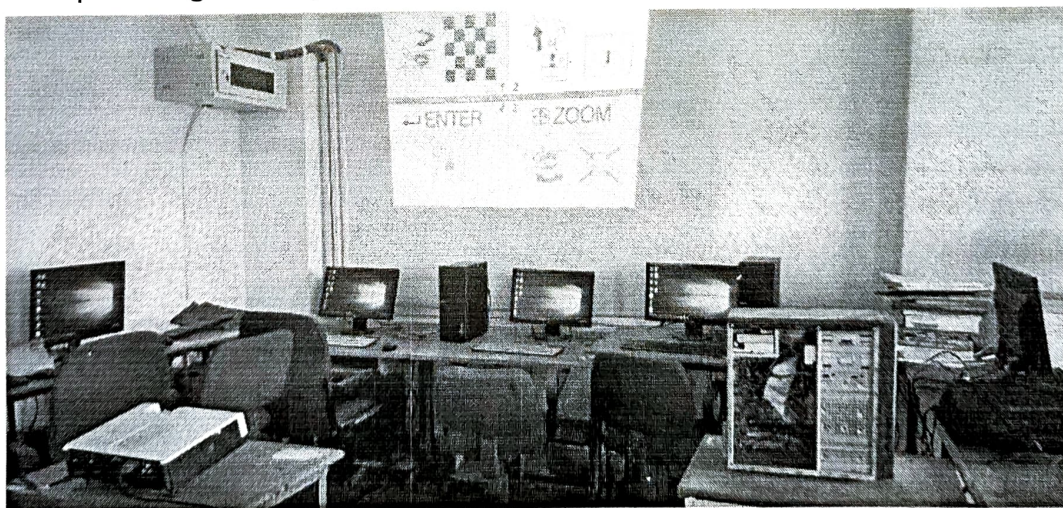
Process:

1. Multimedia Projector: - Multimedia projector visualized classrooms helps to arrange highly organized notes for taking a class. We are using multimedia PowerPoint presentations and visualize it by using projectors.



2. Desktop PC :-

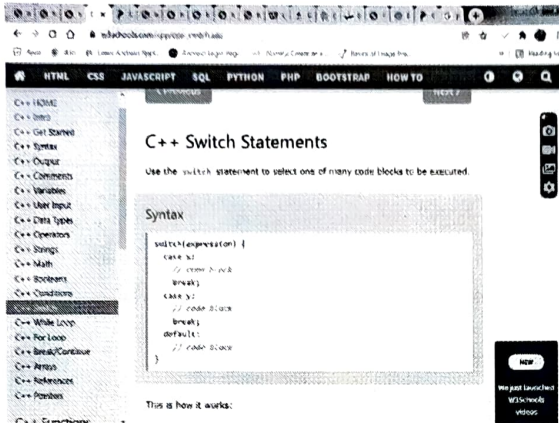
We are having lab equipped with 25 desktop Pc. Where we make computer programs, solve many computer related problems to understand concept of Programming Fundamental.



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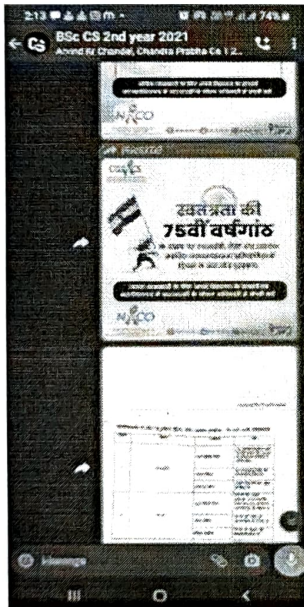
3. Web Platform:-

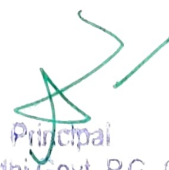
In our department, we are using various website for teaching. To find some new idea to learn and understand topics.



4. Social Media App:

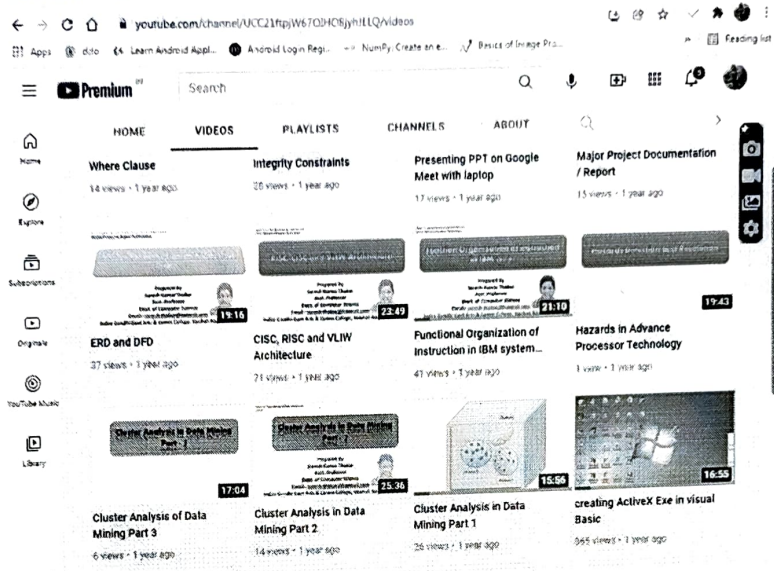
We are having watsap group for students to make communication, send important Notice, notes, ebook, and collect softcopy of class Test material.




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Trishali Nagar, Bhi...

5. Audio/Video Lecture:



6. E Books:- WE have soft copy of various Text or Reference books relevance with syllabus like c, C++, Computer Fundamental.

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Department of Home Science

ICT

The onset of Covid-19 Pandemic led to many unprecedented changes across the globe. It nearly affected all the fields, educational system being one of them. At such times, Information and communication technology (ICT) has been very helpful for all the educational institutions, including students and teachers. Due to these teaching modes, learning process became easier.

Some of the modes used during such times were:

1. Online Education

Since schools and colleges were not allowed to be open during lockdown, online education became the only way to continue the learning process for our students.



2. Use of Apps

During Covid-19 pandemic lockdown, Classes were taken on online platforms like Google meet, Zoom, Webex etc. There are many such platforms available through which online classes can be taken. Also, lecture videos can be recorded. These recorded videos can be very helpful for students as well as teachers. Later, it can also be uploaded on different websites like: CG portal, College websites, Personal groups etc.

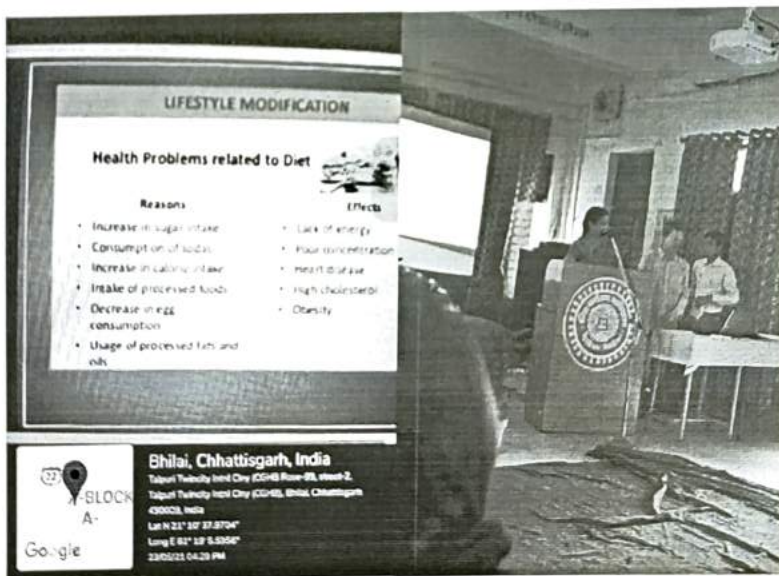
Handwritten signature: Dhruv

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Indira Gandhi Govt. P.O. College
Majra Nager, Bhilai



3. Use of different e-content

When it comes to online education, there is no limit or restrictions for learning. Anyone can learn from any place and at any time as there are so many types of learning process. Different e-contents can be prepared for students. Also, they are very helpful to enrich their knowledge.



Chirway

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Department of Political Science

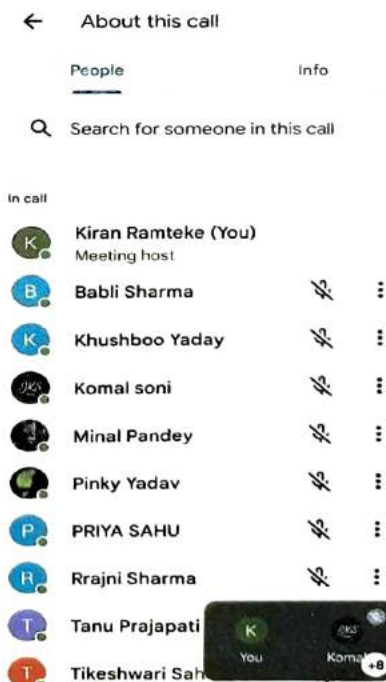
2020-2021

ICT for Online Classes

Information and communication technologies (ICT) have become commonplace entities in all aspects of life. With COVID-19 lockdowns it proved to be the mainstream method for conducting classes online and sharing lectures via Youtube, continuing the learning for the students.

i. Online Classes

For conducting classes online, Google meet platform was used. The classes were scheduled for B.A (all three years) and M.A. (1st, 2nd Sem) separately and the time and meeting link was shared to the students via WhatsApp groups before each class.



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ii. Uploading e-lectures

Some lectures were pre-recorded and uploaded to platforms like YouTube and the link was shared to the students. This content was also made available on the college website, Hemchand Yadav Durg University's website and the Chhattisgarh portal of education (cgschool.in)

Topic	Class	Youtube Link
International Politics	B.A. III Paper 1	https://www.youtube.com/watch?v=tkTHCWbgleM
बैंचम का उपयोगितावाद	M.A. 2nd Sem Paper 1	https://www.youtube.com/watch?v=EHyYlnSyTfU&t=136s
Aristotle's conception of State	M.A. 2nd Sem Paper 1	https://www.youtube.com/watch?v=NJyngGK-F68
Aristotle's Views on Revolution	M.A. 2nd Sem Paper 1	https://www.youtube.com/watch?v=EhV79jXABeo


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Indira Gandhi Govt PG College Vaishali nagar

Department of English

The department of english has
been using ICT enabled tool for
effective teaching learning
process :

Indira Gandhi Govt PG College Vaishali nagar

Department of English

The department of english has been using ICT enabled tool for effective teaching learning process :

- 1. Whats-app group of the department**
- 2. Educational videos in YouTube**
- 3. Educational videos in C.G portal**
- 4. Pdf of lessons / notes / sent in whatsapp group**
- 5. Use of projector in teaching**
- 6. Use of computer**
- 7. English language lab**
- 8. Links are often sent to students for extended learning and information**
- 9. Counduction of online workshops / webinar / talks guest lecture / by the department**
- 10. Students are made to attend online webinar / lectures organized by MOU college or other colleges**
- 11. Online classes through platform :-**
 - ZOOM**
 - Google Meet**


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1. Whatsapp group of the department



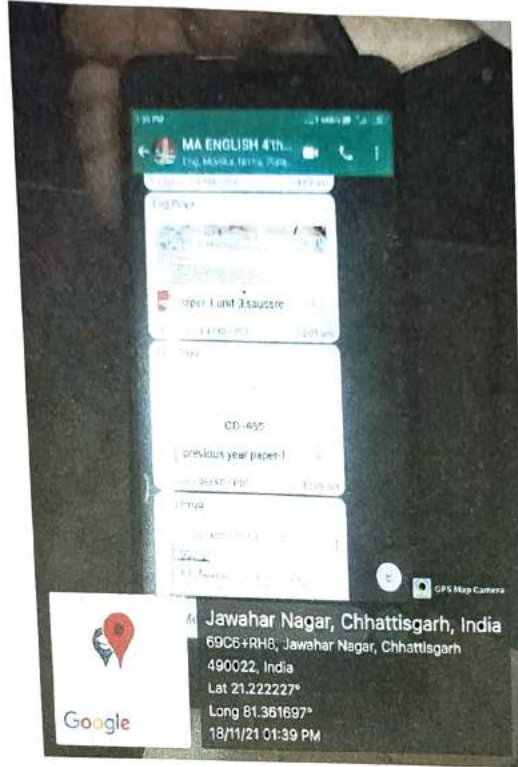
2. Educational videos in YouTube



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Head
Dept. of English
Indira Gandhi Govt. P.G. College
Vaishali Nagar, Bhilai

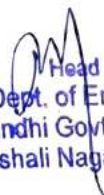
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3. Educational videos in C.G portal
4. Pdf of lessons / notes / sent in whatsapp group



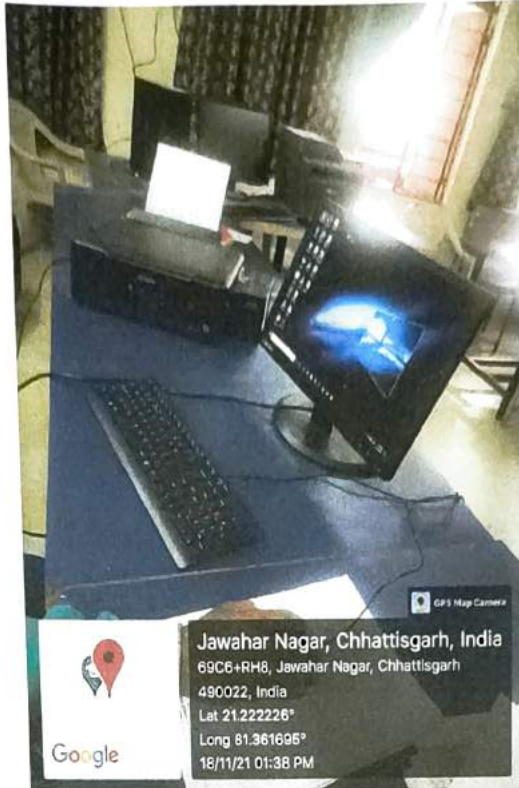
5. Use of projector in teaching



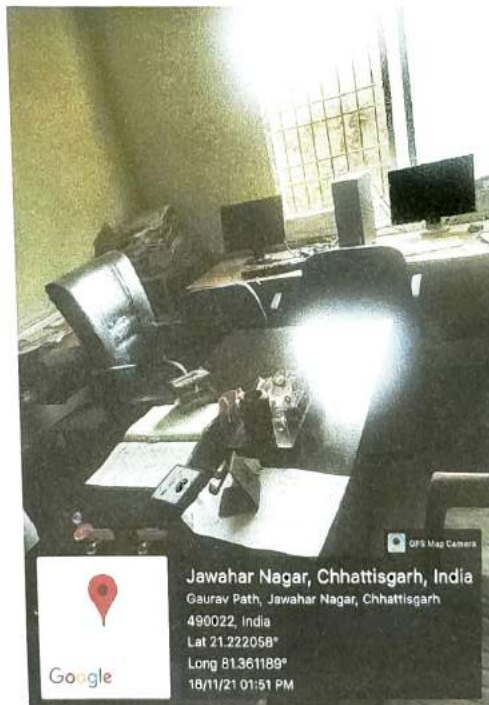

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6. Use of computer



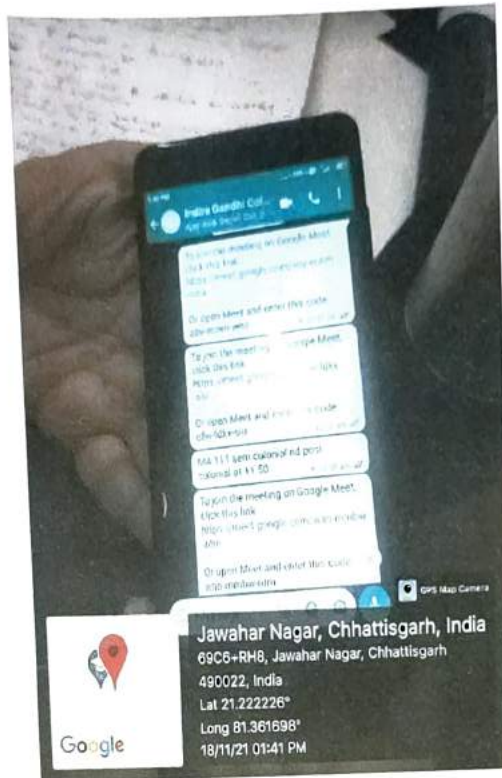
7. English language lab



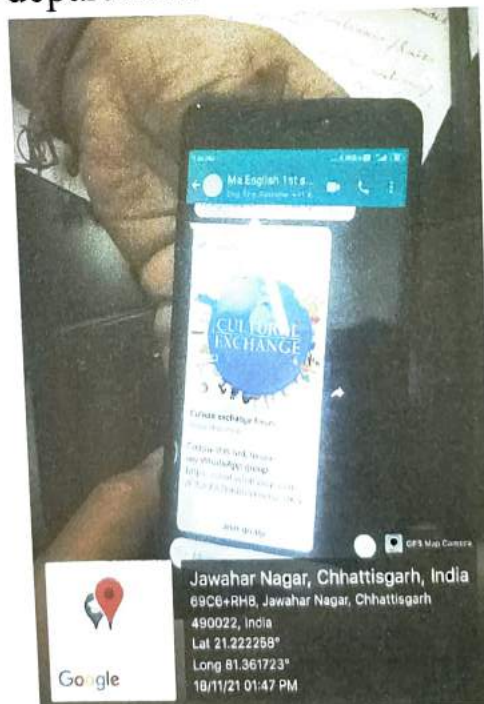
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8. Links are often sent to students for extended learning and information



9. Conduction of online workshops / webinar / talks guest lecture / by the department




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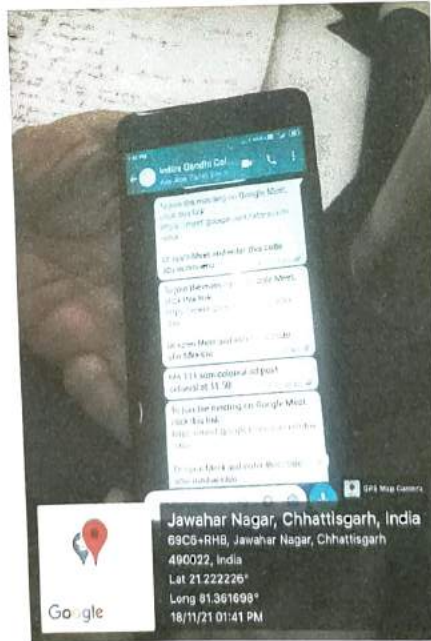

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10. Students are made to attend online webinar / lectures organized by MOU college or other colleges



11. Online classes through platform :-

- ZOOM
- Google Meet



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**Department of Geography
2020-2021**

Use of ICT

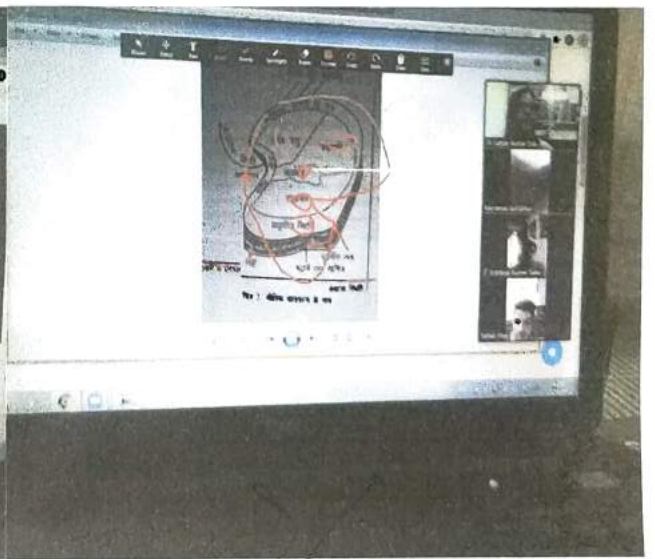
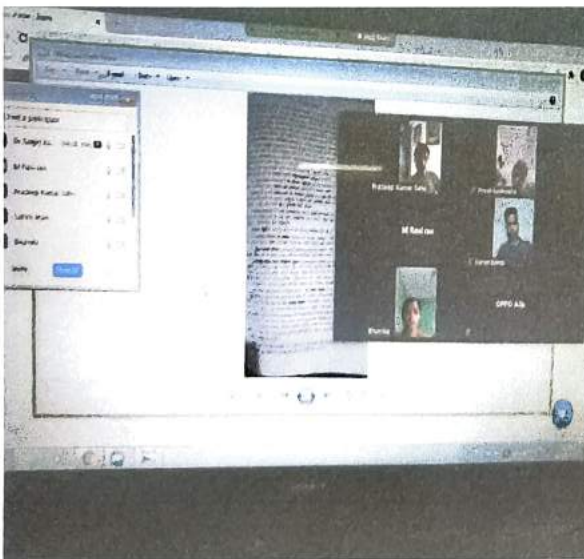
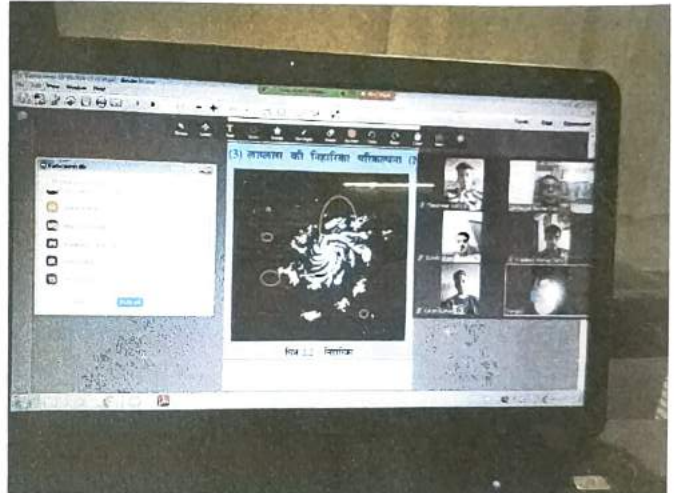
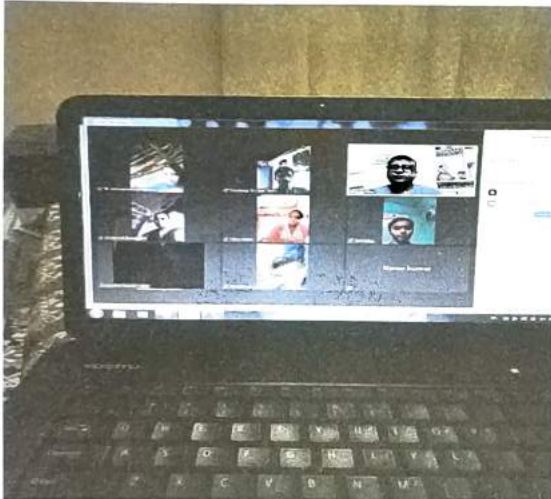
In the period of covid-19 pandemic ICT proved to be an important tool for teaching-learning process. We used ICT for online classes & video preparation .We shared lectures and study materials on YouTube and Literature in the form of PDF. The link of lecture has been shared on the Hemchand yadav University, Durg, Pt. Ravi Shankar Shukla University Raipur , Indira Gandhi government P G College website and Chhattisgarh portal for education cgschool.in.The Details of the video lectures are as follows:

S.No.	Topic	Class	Youtube link	Uploaded in
1.	Climate of India	UG	College website	exam@durguniversity.ac.in,
2.	Precipitation in India	UG	College website	cgschool.in exam@durguniversity.ac.in,
3.	Climate of India Part I	UG	College website	cgschool.in exam@durguniversity.ac.in,
4.	Climate of India Part I	UG	College website	cgschool.in exam@durguniversity.ac.in,
5.	Thermohaline Circulation	PG	College website	cgschool.in exam@durguniversity.ac.in,
6.	Surface Ocean Current	UG/PG	College website	cgschool.in exam@durguniversity.ac.in,
7.	Bio Geo Chemical cycle	PG	College website	exam@durguniversity.ac.in,
8.	Carbon cycle	PG	College website	exam@durguniversity.ac.in,
9.	Evolution of the concept, Principles, Philosophy and approaches to conservation	PG/UG	College website	pt ravishankar shukla university website

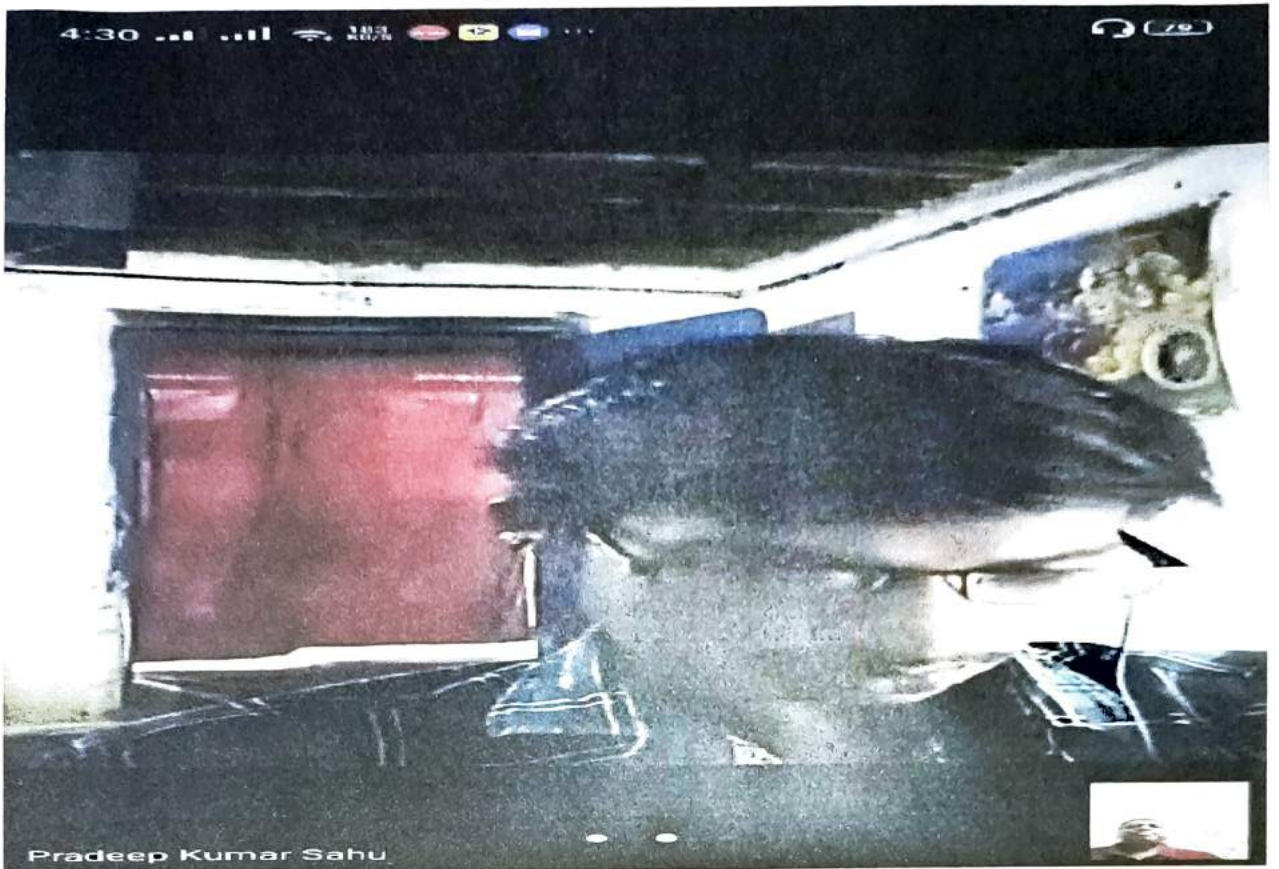

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Uses of ITC in Teaching by the Teacher



Principal
M. G. Govt. P. G. College
Wazirpur, Faridkot, Punjab



Student of Remote Village participating on line class during Covid -19


Dr. S. K. Das
HOD – Geography
Indira Gandhi Govt. PG College
Vaishali Nagar, Bhilai


Dr. Smt. Alka Meshram
Principal
Indira Gandhi Govt. PG College
Vaishali Nagar, Bhilai
**Indira Gandhi Govt. PG College
Vaishali Nagar, Bhilai**

Indira Gandhi Government PG College, Vaishali Nagar, Bhilai
Department of Botany
2020-2021
Use of ICT

Education was highly affected during lockdown imposed due to covid-19 pandemic. ICT proved to be an important tool for teaching-learning process during this period. ICT was used for online classes, video preparation and sharing on youtube, Literature sharing in the form of PDF

i) Online classes

Due to covid-19 lockdown online classes were the only alternate left to continue regular teaching. Online classes were taken on Google meet platform. The time and link was shared every day in the whatsapp group of the particular class.

ii) During lockdown E-content was developed by making videos which were uploaded on the youtube. The link was shared on the University website, College website and Chhattisgarh portal for education cgschool.in. The links of the video lectures are as follows:

S.No	Topic	Class	Youtube link	Uploaded in
1.	General Characters and classification of Algae	B.Sc. Part I	https://youtu.be/HPC90ltci7o	exam@durguniversity.ac.in , cgschool.in
2.	Gaidukov effect	B.Sc. Part I	https://youtu.be/90Ywms7MjL8	cgschool.in
3.	Telome Theory	B.Sc. Part I	https://youtu.be/ygFBxZvhFaM	cgschool.in
4.	RNA Splicing	M.Sc. Botany II Semester	https://youtu.be/XqFIVAjICUs	cgschool.in
5.	Protein Sorting and targeting (endomembrane transport)	M.Sc. Botany II Semester	https://youtu.be/Rbo7gfhwT7M	cgschool.in
6.	Protein Sorting and targeting durguniversity.ac.in, (Non Endomembrane transport)	M.Sc. Botany II Semester	https://youtu.be/tKsLHNYuluI	cgschool.in

iii) The students were given notes in the form of PDF and shared in the whatsapp group. The practical were also conducted online on Google meet platform. They were shared the protocol through manuals, to prepare their files.


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- iv) Higher education department of Chhattisgarh Government organized centralized online classes for different colleges in Durg division. Some of the lectures delivered in these centralized classes were uploaded on youtube. The links of these lectures are as follows:

S.No.	Topic	Class	Youtube link
1.	General Characters and Classification of Fungi	B.Sc. Part I	https://youtu.be/eKflv0F0weE
2.	Life Cycle of Ectocarpus	B.Sc. Part I	https://youtu.be/w_eq4t27Yes
3.	Life Cycle of Mastigomycotina	B.Sc. Part I	https://youtu.be/msPDhUGxm0I
4.	Life Cycle of Polysiphonia	B.Sc. Part I	https://youtu.be/w_eq4t27Yes
5.	Gaidukov Phenomenon	B.Sc. Part I	https://youtu.be/dqisan-hpXA

- v) To assess the performance of the students, unit tests were taken in google form, where a questionnaire was prepared and link was shared and they had to submit their responses in stipulated time, so as to prevent them from cheating.
- vi) Practical exams were also conducted online


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**INDIRA GANDHI GOVERNMENT PG COLLEGE, VAISHALI NAGAR,
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Hindi Department

2020-2021

ICT for Online Classes

Information and communication technologies (ICT) have become commonplace entities in all aspects of life. With COVID-19 lockdowns it proved to be the mainstream method for conducting classes online and sharing lectures via Youtube, continuing the learning for the students.

i. Online Classes

For conducting classes online, Google meet platform was used. The classes were scheduled for B.A I, B.Sc. I, B.Com I FC separately and the time and meeting link was shared to the students via WhatsApp groups before each class.



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ii. Uploading e-lectures

Some lectures were pre-recorded and uploaded to platforms like YouTube and the link was shared to the students. This content was also made available on the college website, Hemchand Yadav Durg University's website and the Chhattisgarh portal of education (cgschool.in)

Topic	Class	Youtube Link
पल्लवन	B.A I, B.Sc. I, B.Com I FC	https://youtu.be/Gz4svVstqg8


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ICT tools for effective teacher learning process

सत्र 2020-21 कोरोना महामारी के कारण महाविद्यालयीन में कक्षाएँ online माध्यम से ली गईं।
BA संस्कृत की कक्षाएँ online google meet व zoom app के माध्यम से ली गईं। साथ छात्र-छात्राओं की बेहतर शिक्षा के लिए pdf, नोट्स youtub Link
<https://youtu.be/9jkbQlxzLK>, <http://youtu.be/rJncbXT-i-E> महाकवि कालिदास और
संधि प्रकरण SEND किया गया।



(Signature)
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Department of Economics

ICT TOOLS

Being a pandemic year in 2020-21 offline classes were taken online via google meet. Video lectures were prepared by the faculties of the department and were uploaded on the college website. Some important videos from youtube were also downloaded and provided to the students. For these purpose whatsapp group for various classes were created and videos, Pdfs were sent to those groups.

Moreover, a centralized online class was also organized by the higher education department conducted by the lead college V.Y.T Govt. PG College, Durg. The students had an option to attend those online classes too.

Ppts and Pdfs were prepared to teach the students via google meet. Students of PG classes also gave presentation on various topics. Class test/internal assessment were also conducted online. So, during the pandemic time efforts were made by the departmental faculties to provide adequate e-resources to the students so that, they should not suffer any kind of academic losses.

But being a college situated in a area where the economic status of the students is very poor, the students do not have smart phone, data pack etc which are required for the online class. These students may have suffered academically during the period.

1. ONLINE CLASSES -

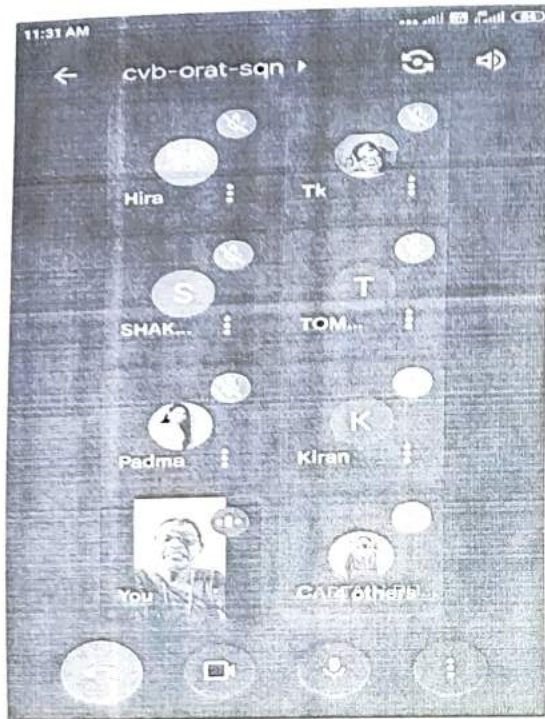
For conducting classes online Google meet platform was used the classes were scheduled for B.A. & M.A. separately & the time & meeting link was shared to the students via Whatapp group before each class.



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2. UPLOADING E- LECTURES -

Some lectures were pre recorded & uploaded to platforms like YouTube & the Link was shared to the students. This content was also made available on the college website, Hemchand Yadav Durg University website & the Chhattisgarh Portal of Education (cgschool.in).

Youtube link of the video lectures

Smt. Susheela Sharma

S.NO	CLASS	TOPIC	YOUTUBE LINK
1	M.A. IV	SCHUMPETERIAN MODEL	HTTP://YOUTUBE/KYV-N12QGSM
2	M.A. IV	CHOICE OF TECHNIQUES	HTTP://YOUTUBE/UTBUKWBDJRS
3	M.A. IV	MIRDALS THEORY OF CIRCULAR CAUSATION	HTTP://YOUTUBE/2STKPDZVE6Y
4	M.A. III B.A. III	POVERTY	HTTP://YOUTUBE/X3-NMGNCDBG


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5	M.A. III	ECONOMIC GROWTH	HTTP://YOUTUBE/VIOOMV5PCNO
	B.A. III		
6	M.A. III	TRADE CYCLE	HTTP://YOUTUBE/GTQGF3NKA
	B.A. III		

Dr. R. K. Agrawal

S.N.	Class	Topic	link
1	MA II BA III	Fundamental concept of sampling	https://youtu.be/WUDLnYFePpl
2	MA II	Linear Programming Theory	https://youtu.be/R_3m6Yvghbo
3	MA II	Computer in economic research	https://youtu.be/Y06r1P5r8U
4	MA I BA I	Marshall's Utility Theory part 2	https://youtu.be/Kv152efCdAc
5	MA I BA III	Correlation in a grouped frequency series	https://youtu.be/mvoTwrneBvU
6	BA III	Mode	https://youtu.be/HfRwbXmcEd8
7	BA III	Correlation in a bi-variate series	https://youtu.be/1KIoamowYX0
8	BA III	Statistical Series	https://youtu.be/uKtUBh0B3JO
9	BA I	Marshall's Utility Theory part 1	https://youtu.be/xGwojOpxaWY


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