

# **EDUCATIONAL TECHNOLOGY AND ICT**

**Dr. Sarita Anand**

**Department of Education, Vinaya Bhavana**

**Visva-Bharati, Santiniketan**

**Week-09**

**Lecture-45**

## **Module-45: Applications of ICTs in and outside the classroom (Practical Tools)**

Hello dear learners, welcome to SWAYAM-NPTEL course on Educational Technology and ICT. I am your course coordinator, Dr. Sarita Anand, from the Department of Education, Vinaya Bhavana, Visva-Bharati, Santiniketan, West Bengal, India. Today, we will talk about Module 45 on applications of ICT in and outside the classroom. These will be discussed as practical tools, and this will be Lecture 45. Before going into the lecture, we will see the concepts covered. Earlier, in the previous lecture, we discussed the applications of ICT in and outside the classroom applications of ICT, particularly inside, which ICT tools we can utilize in the classroom, and what are the applications of ICT that can be utilized outside the classroom.

Now, we will discuss the application of ICT inside the classroom. For the practical tools, earlier we discussed what we can do. Now, we will see what facilities can be utilized by a teacher during the teaching-learning process. These tools include educational apps and software. There is a long list of these educational apps and software; I have mentioned only a few names here. There are software or apps like SWAYAM, DIKSHA, Khan Academy, OBS Studio, PhET Interactive Simulation, and also IGNOU e-content. There is another AR app as well. Many apps and software are available that can be downloaded on your PC, laptop, or your mobile phone for the teaching-learning process.

Teachers can utilize these platforms for their classes inside the classroom. For example, I have mentioned OBS Studio here. If a teacher wants to develop course content, video recording, or online streaming, they can use OBS Studio. This is open-source software, a heavy software, and they must be trained. Using ICT tools as practical tools for your teaching-learning in the classes definitely requires training. Then come digital cameras and video recorders. If you have a smartphone, you can use its camera to record content for your learners. Also, you can utilize different camcorders or handy cams, etc. for recording

your content. Also, not only video recording, but if you want to do audio recording and you have a good smartphone, you can record your audio for the podcast and share it with your learners and I have told you earlier that these smartphones have the facility for both audio and video. Leave the camcorders or the handy cams or high-tech cameras, but these days if you are using a smartphone for your content recording, you can go with it.

These days, these smartphones have screen recorder facilities. Earlier, we had to download software like A to Z. And with the help of that A to Z, we could record the screen of the mobile and create the content. But now these smartphones have factory settings for screen recording, and you can go with the director's view. You will see your face on the screen, and your PPT will be there, or if you are demonstrating something, like many times I show you. Then that will be running on your screen, so these smartphones can be utilized as a practical tool for content creation. Similarly, the audio recording facility is there. You can not only record the audio, but noise reduction is also available, and you can share it with your students.

I always suggest when you are recording your audio with the help of this practical tool like a smartphone, you should upload your audio or video to an online platform. For example, if you are using your smartphone for video recording, first upload your video to YouTube. Prepare your YouTube channel and share that link with your students. Then what will happen? If you are giving it for free to your students, a vast number of learners beyond the boundaries of your institution will benefit. Use the CC licensing, which we have already discussed, and whenever required, you can just go to your YouTube channel, copy the link, and share it with your students. So, it will work as an archive for your prepared materials as well.

Similarly, the audio you are preparing don't give the audio on your WhatsApp that you have just turn on your WhatsApp audio recording student blah blah blah you are speaking and giving the audio to your student. That will be not a long run facility. So, you prepare your audio. Then upload it on any podcast app like I am using Podbean or sometimes Spotify also you can go through it and it is very simple you have to sign in then create your profile there will be facility to upload or record both facilities are there. If you are interested you are directly you are able to record it on the Podbean.

Then time and again whenever you are teaching the same type of topic, then there is readymade content for your reference, for your student reference and you can utilize. This is the main feature of the application of ICT in the classroom. Otherwise, if you will not be

able to reuse your prepared own content, then what is the benefit of these ICT tools? Then now your PPTs, many times we are preparing the PPT, which the PPT, this picture you are seeing here on this screen, this is prepared with the help of napkin AI, artificial intelligence. So, there are so many AIs are available, like you are frequently using only Gemini and Chat GPT, that will not solve your problem.

You should go beyond that AI app and you can see that many good numbers of graphs I have prepared for you, for your content. So, if you are preparing the PPT, if you will share it with your student directly, again in next batch, next year, after next year you will not able to fetch it. large number of students will not be benefited. So, I always suggest go for the PPT lastly you mention the CC licensing at least you can give the CC by SA (Share Alike) and upload it on any slide sharing apps like slideshare.com

This is the easiest and well known platform you can upload it and share the link to your student, I always do that I do not give directly because whatever hard work I have made for my learners 100, 200 students that will be utilized by the big number of students also another thing you can utilize your research to be shared on the public platform like using the research gate. That is why I am stuck with this page because learning content is there you will read it.

You upload your work on the research gate and these days researchers are using the research gate and your content will be benefited for the other learners also. one research proposal writing write-up and one format for research report writing I had made for my M.Ed. students and I had shared it with ResearchGate and share the link to my student now more than 8000 people have seen those content, so that is not only benefit for your student but also the large-scale learners.

Now, we will go to another part that is interactive white board display. This is the important tool practical tool for the use of ICT inside the classroom. We are preparing for our student, but if we are sharing that is also going to the outside the class. So, first we have to prepare for our student, first duty is our student where we are working in that institution. So, interacting whiteboard are having the facility to write, to design, to incorporate many AI-based facilities.

When you are using these interactive board in your classes, you are teaching, explaining, writing the concept equations, drawing the pictures, then there is the option for save. You save, click the save button and make it available for some special folder like if you are teaching Educational Technology make a folder SA Sarita Anand this ICT folder, Sarita

Anand research folder whatever you are teaching guidance and counseling one folder. Then whenever I am teaching then we can keep that classroom teaching content in that folder this Interactive whiteboard is giving the practical facility to be incorporated not only to teach the classes But to store the teaching learning material whatever we had taught in the class, so in next time if you want to revise it and You want to show your students, you can fetch it out from that folder saved in that smart board or whiteboard and you can use it and reuse it for your classes.

Then the next one is presentation tools. I have already mentioned that there are lots of presentation tools are available. but whenever we give the task to our students even our teachers also we give the task to prepare the ppt we will say that prepare the interactive ppt then they run for the animation effect, transition effect, sound effect etc. but this is not only the style of preparing the presentation they always go for PowerPoint presentation provided by the Microsoft definitely you are having MSOffice in your computer but you have to prepare some interactive PPTs also. So, for that number one is there Microsoft powerpoint is there nobody is going to deny, but you should also use the Google slides.

Google tool in this lecture I will talk about the Google tools in latter stage the Google slide you can use it the basic feature of any tool of the Google is that you need not to save. This is auto saving your content and then the third one is I have mentioned the Prezi. Prezi is for the interactive presentation tool and this is the open-source platform, this is a website-based platform and the only limitation is that you will not be able to download the PPTs but you can share you can show you can collaborate there are freely available readymade templates very interactive presentations can be made with the help of Prezi and if I will get time I will show you the presentation otherwise I will share the link in discussion forum, many contents are in my mind which I will share you in the discussion forum from there you can fetch it out otherwise if possible I will put it on the document mode and share in the course page ok.

So, this Prezi is also providing in interactive PPT in the classroom by prepared by the teacher, but also it is facilitating providing a link. That link which I have prepared presentation for my student that can be shared to my website suppose I am using google website, sites.google if I have my website, I have my website. So, I can share that link of Prezi PPT on there and our students can be able to see it and also other learners can see that particular PPT. So, whatever we are doing in the class once in a class that can be reutilized, reused time and again in future classes.

That is the application of ICT inside the class. Not only preparing, but sustainable practices should be there that we can reuse it. Then now next one is the LMS, Learning Management System. I always insist that if you are not able to use any LMS, you are not having proper training of using LMS, you go for Google Classroom. Google Classroom is freely available with your Gmail account.

If you are having the workspace of Google or previously it was called G-Suite account or G-Suite Education, now name has been changed, everything name, time and again changing. So, Google workspace is there, that account is having the large capacity of the student, But in regular manner in the classes we can utilize our regular gmail account for creating the Google Classroom simple is that, if you will open right now when you are listening my lecture you just open your smartphone go through the google tools there will be three dots in your laptop screen you will click on those nine dots in right side where is your profile picture is there and you will find that there is Google Classroom that is the factory setting of the google tools.

I will show you and then comes the Moodle when we are teaching in the classroom we can utilize the Moodle but the limitation of Moodle is that the Moodle is free version is only for i think for 45 days and after that they will ask for money So, I always suggest for a good teacher those who are very techno savvy, if you are your institution is not cooperating with the Moodle then definitely you should use your Google Classroom.

I have earlier shown I think in previous lecture I have shown the picture of when I was explaining the Google Meet. That the Google Classroom is having if you are using the workspace education then the Google Meet is having the factory setting in your Google Classroom. It means in daily classes online classes you need not to give the new link to your students for attending the Google Meet classes but there will be the link and student time, whenever you will tell that I will take the class tomorrow 2.30, then the student will only go to their Google Classroom and click on the link and they will join the class. These are the few ICT applications inside the classroom which I have mentioned the practical tools which you can utilize and I have elaborated those things in running writing also.

So, that when you will be interested to see the example for your revision of the course you can go through it. Now, the application of ICT outside the classroom. The previously whatever I have mentioned we will use it we can use it in inside the classroom. Now, the outside classroom online collaboration platform like I have mentioned Google Docs, Google Drive, Microsoft OneDrive, Dropbox, etc. can be utilized for sharing the

documents, videos or any kind of information that can be virtually shared with your learners or the academicians, whomever you want to collaborate you can utilize these online collaboration platforms, like I have mentioned the google docs as a online collaboration platform why because nowadays microsoft is also giving the feature of this online collaboration Office21, I am using this this is giving the platform facility for creating the link And here also Google doc is giving this facility since long.

And if you are working on a word file, Google sheet, Google form, you just have to share the link in an editable version and the person to whom you have shared that can be he or she can collaborate, they can edit, they can read, they can modify the document as per the need or requirement of the task given to them. Similarly, the Google drive is playing the role important role like if I have prepared one video, I can share in the drive and the other people sitting in the other corner of the country can see and work accordingly. Then comes the virtual filters, Microsoft OneDrive is also now the if you are using this Microsoft facility in your laptop, you will see that whatever content you are preparing that is auto saving on the OneDrive.

If, I am working on the word file, they will save on the OneDrive also and after that memory will fill and they will ask for upgradation. Then the virtual field trips with the help of the different softwares and apps, we can go for the virtual field trips like Google earth. This is also I have mentioned in each aspect the Google, because Google is the khazana and we are not utilizing. So, Google earth, Google earth is the expedition and we can go for the field field trip. and we can virtually go through the different places and the virtual museum tours also are there.

If, there is a facility for the virtual tour of any historical place we can go beyond the classes. And not only beyond the classes teacher can organize these virtual trips inside the class, sitting in the class, going outside the class. So, this is the beauty of this facility of virtual field trip. Then comes the online tutoring and learning resources.

This online tutoring and learning resources are basically about the educational YouTube channels, audios, podcasts available in different websites. If the institution like NCERT is provide providing a school level content and NIOS is providing a school level content you can as a learner you can go through that content for not only learning but also for the teaching content if you are a school teacher or a trainee teacher in the any school. So, these online tutoring and learning resources are very helpful for the teachers outside the class learners can learn teacher can also get the training. and learn many things beyond the

classes. For example, these days when the teachers are giving the assignment, practicals or any task suppose if there is a science exhibition and the students have to prepare the project, definitely I can bet on it that they are watching the educational YouTube channels how to prepare those projects.

So, this is the role play of the application of ICT outside the classroom, whatever is our need, educational need, leave the personal and professional, but the educational need as a learner or the teacher, we can utilize these tools for our daily classes. Then comes the online research tools. Definitely the different online research platforms are there, but I always suggest that go for the Google Scholar. If you want to research, you want to see something, you want to fetch out some information from the internet, definitely you should, if you want to research oriented information, then definitely you should go. to the not only Google, but the Google Scholar, because this Google Scholar is research-oriented platform.

Then online Encyclopedias, different open educational resources like JSTOR, your DOAJ and DOAB. Directory of Open Access Journals, Directory of Open Access Books you can go through it and this will provide enormous information content related with your research, also the digital libraries are there so if you are free you are not attending the class you are not in the class and you are roaming here and there why you will waste your time you should fetch it out those online research tools and use it for your further learning. So, digital libraries are providing many facilities. NDLI is giving the opportunity for the competitive examination preparation.

Similarly, you have seen in earlier lecture that Swayam Prabha is providing the SATHEE. That is providing in different subject field 8 channels are going on similarly that NDLI is also giving the opportunity for competitive examination for the learners so if you are interested the application of ICT outside the classes definitely there are important tools are available the communication tools like if you want to Use email like most of us are using gmail, then messaging app different messaging apps mostly we are using instant messaging app like WhatsApp and Telegram also if your teacher old teacher or friend is there on Facebook and you want to take the or give the contact number do not give on the wall, but go for the messenger. So, these messaging apps are the communication tools and different online forums like Facebook or different online platforms you can utilize them for your educational purpose.

So, as per my opinion these were the application of ICTs outside the classroom which you can utilize for your daily life educational purpose. And for those whatever I have practical

tools mentioned here I have written here in this PPT you can go through it when it will be provided as in PDF form and now the main issue of the practical tool, I have mentioned the topic practical tool. I will mention two tools only for this lecture because otherwise lecture will be so longer. So, the first tool for the outside classroom using is the Google tool.

So, if you are you are interested to do the hands on there is no need of any teacher trainer. you just be aware of these google tools because this google tool is providing a range of digital tools to enhance the teaching learning collaboration assessment both inside and outside the class, if teacher is not training you are not using in the class definitely outside the class you can use it for your assessment for your assignments, practicals or any other task given by your teachers. So, that is why I have kept it here in the outside classroom classroom tools, but it does not mean that you cannot use the Google tool in the inside classroom tool, but definitely you can keep, but I have mentioned that you need some time to collaborate, create the content, write the content on Google Doc or Sheet. So, that is why I kept it here in the outside section. So, the Google Docs, for example, it includes the different list is long.

I will show you the Google Docs, the voice typing facility in the Docs. and the translation facility is there. Many other facilities are there in this Google tool which are very beneficial for us as a teacher and other learners who are pursuing their learning either in school or higher level. So, start with the tool I will go to the Google tool in later stage. So, first I will talk about the content of the Google tool which are available the first one is Google Docs. This is very important I have told you earlier that this Google Docs is having the same feature as you are using the Microsoft Docs, but this is having the feature of typing voice typing also voice typing and translation in different languages and also there is the facility to share to collaborate the with sharing the document link. So, voice typing and screen reader is the basic important feature of this Google Docs is there. So, teachers can utilize for the essay writing, report writing and especially for the research scholars, I will suggest whenever you are writing a research paper, go for voice typing.

Don't see here and there. Don't copy because there will be plagiarism issue. Just you first think about the type concept. You prepare one concept map and go through by your own thinking. You just speak up.

google typing facility text typing will be there it will writing though there is a full type full stop and comma problem is there it will you have to recheck it and definitely whatever you

have generated with the help of voice typing in the Google Docs that will be your hundred percent original task. Subjected to the condition apply that you are not copying from some other book and you that madam has told that you voice typing will be plagiarism free and you had copied from a book and just uttered those words. No, your thinking, your thought process, your idea should be spoken up in front of that tool symbol of the mic and you will record it, your typing will be going on. So, this voice typing speech to text is a very good feature and you can use it you just have to go through the Google Docs and voice typing in the tool section you will get this voice typing just I will see that Google Docs text typing yes this is the simple typing and in the next section I have mentioned that the voice typing because this is the main major feature of this Google Docs.

So, the third one is Google Slides definitely I have mentioned that the Google Slide is having the facility similar to the Microsoft ok. But what is the difference between this Google Slides and other? Because if you want to prepare the PPT, then you always go to the Microsoft PPT, click on the design and those old designs you are using. But here you can collaborate with the Google Slides and there are so many presentations, design, templates are there and video and animation facilities are there. You can use it if you will search it out in the Google Slides.

Then comes the Google Form, which is also part of Google tools and used for assessments and surveys. These days, online survey researchers are preparing their Google Forms, sharing them in different groups, and requesting that people kindly fill out this survey form. So, this is being utilized, and you as a learner definitely know that these Google Forms have different features. The same form can be utilized as a quiz, a survey, or a feedback form, meaning we can use it in three ways. Also, instant or auto-grading quizzes can be developed with the help of Google Forms. So, during COVID, we ran all assessment procedures with the help of Google Forms because it was free to access.

Then comes Google Classroom. Time and again, whenever I have started this course, I have insisted that you go through Google Classroom. Whatever LMS you want to use, do not worry the simplest LMS is Google Classroom. Teachers can post their assignments, content, material, announcements of quizzes, activities, all facilities are there—and students just have to follow the teacher's instructions. If we are interested in giving assignments, Google Classroom has all the facilities developed by Google tools, like we can utilize Google Docs, Slides, Forms, etc., inside Google Classroom as well. So, it will generate assignments and practicals within Google Classroom with the help of Google Docs, Slides, or Forms. Then comes Google Sheets.

Yes, as teachers, we have to prepare score sheets, achievement sheets, organize data, and analyze data, and this can be done with the help of Google Sheets. All kinds of calculations, like sum, average, percentage, and statistical analysis, can be done here with the help of Google Sheets. Teachers can create grade books or track the development of students. Researchers can also utilize them. These Google Sheets can be accessed anytime by any teacher. Now, these were the features we can use inside the classroom as a topic related to the application of Google tools inside the classroom.

Now, the same Google tool outside the classroom, how can we use it? Google Drive cloud storage for learning material, we can use it. This Google Drive, we know that the free version of Google, which we are using in our Gmail account, gives 15GB of free space. That is the virtual space with Google Drive, and we can store our lesson plans, research materials, assignments, practicals, and anytime students can access and be facilitated with the help of Google Drive. Remember, Google Classroom is attached itself to Google Drive. It means if you are preparing or generating a class on Google Classroom, the memory, the virtual memory, will be connected with that Gmail account on which you are preparing the Google Classroom. It means if you are using your personal Gmail account, it will have only 15GB of virtual space in Google Drive.

But if you are using the Workspace for Education or earlier G Suite account of Gmail, then the space will be larger. Unlimited space facility is there I think I have heard somewhere it is in TB. So, you need not think about the overflow of content filling up and choking the Gmail. I will suggest if you are going to generate a Google Classroom, you use a separate email ID to generate that class because, over time, you will see that the drive is full. So, this drive can be used for your content purpose, storing the content. Then comes Google Keep. Remember, many of you are not using or have not even heard about Google Keep, a digital note-taking app like Notepad in Microsoft. Similarly, this is also a feature of Google where you can write or code.

In your Google Keep, you can take notes, and they will be saved. Auto-recording allows for voice notes or quick reminders. If you are attending a meeting and cannot write, you can start the audio recording, and it will record the meeting in audio format. Then comes Google Meet, Virtual Learning and Remote Teaching. So, I have mentioned some research for your reference. We all know the features of Google Meet, I need not elaborate. But definitely, if we are in a face-to-face class situation using the smartboard, that is the application of ICT inside the classroom.

But if we are outside the classroom, I have to take the class online. I am sitting here in my institution, taking the coursework lecture for the Maharashtra University. Then definitely, this Google Meet virtual teaching will help. So, live classes and discussions or video conferencing can be organized with the help of Google Meet. This is totally free and comes with your Gmail account. So, we as teachers and learners or researchers should utilize this Google Meet platform.

Then comes Google Sites, which I have mentioned. If you are interested in preparing a website for your learners regarding the teaching-learning process, or if you want to prepare your own website whether as Sarita Anand or any learner—they can prepare it. They can host assignments. For example, many students have completed their dissertation work under me. I can list their names, titles, and research areas on the Google Site, so new learners will know what kind of research or expertise I have. So, we can project our portfolio, our work, embedded videos, links, and images on our website for interaction with learners. So, if you are a good teacher, your information should be available for learners, and they will know what kind of person or performer you are.

Then comes Google Calendar. Definitely, this is a very good organizing software or package from Google that helps schedule our deadlines, online meetings on Google Meet, and generate links. So, scheduling is important, and it can be done with the help of Google Calendar. Putting assignment and exam reminders for students and for teachers too—if you are setting study goals, you can note them on Google Calendar. Then, notifications and recurring events help with time management. During COVID, we generated Google Meet links for different classes. I had shared the link from Google Calendar, generating it for unlimited time for one year. And what happened? The students knew the timetable. If someone missed it, they would see the link on the WhatsApp profile picture, click it, and join.

So, you can accommodate many technologies together for facilitate your teaching learning process. So, during COVID 1<sup>st</sup> and 2<sup>nd</sup> years the link of my classes was only one, one link was there and the students of first semester they are knowing that what time they have to join. Of fourth semester were knowing this is the link and what time we have to join. So, I have separate made only two three links for different class and the first semester student was accommodating with the fourth, till the fourth semester with the one link. So, this kind of facilities of Google Calendar can be utilized by the teachers for facilitating their teaching learning process.

Then comes the Google Translate, this is the beautiful feature of the Google tool, where the students can translate their, not only students, teacher can also translate the communication in foreign languages, in different Indian languages also. Suppose there is a one group with the teachers of South India and they are writing in some Tamil, Telugu and Kannada language but I am illiterate in that language. So, how I am communicating? So, I will just use this Google Translate and I am very much easy with them in their group because they are time and again communicating in their own language no issue, I can use the feature of Google translate and I am using and communicating with the help of this kind of translation.

the voice translation feature feature is also there and you can you can just only narrate for the non-native people translation will be coming out and you can share the translated version so these Google tools there are many other tools are there but I have mentioned only which can be utilized for the teaching learning process so these Google tools are the powerful tools easily available freely available for the learners as well as the teachers, the educators, the administrators and they can utilize it for the interactive and technology driven learning environment for their learners. Now the second tool is iLovePDF. This is the website of content creation or editing. I hope many of you are aware of this platform called iLovePDF.

By the name of this platform, you can understand that this is the tool that is why I have told that only two tool I will discuss that is the one was the Google tools and the second one is Google sorry, iLovePDF. So, this iLovePDF is managing editing and converting the PDF file. these PDF files are widely used in education business and professional settings to enhance the productivity and streamline our document handling and this platform is on a single platform you can perform all kind of task required for any PDF document, that's why I kept here in this application of ICT outside the classroom? if there is a picture available and you want to convert in pdf any ppt is in pdf you want to convert in the ppt form though all kind of conversion squeezing the size increasing the size whatever activity you want to perform on a particular document you can perform here with one platform.

So the teachers the students the researcher who deal with the digital content creation, document management and collaborative tasks with the editing definitely these they can go through the iLovePDF, that is the content creation and editing platform and what kind of activities can be performed with the help of this iLovePDF you can see I have listed here in this page that organizing PDF, suppose you are filling up the form for some institution either admission or applying for new job, then they will say photo size should be this much,

document size should be this much, photo should be JPEG, document should be PDF, then in another institution they are changing the rules. So, you will be puzzled that how to create how to change for the that problem there is only one solution in this platform, so as a learner as a teacher we need also to squeeze the size of the file if a book is there for 500 pages and I want to share only 10 pages of that one chapter, then definitely I can go to this website and do the splitting of that book and provide only required pages to my students.

So, we will go through the one by one like organized PDF, we can merge PDF. We can merge means we can add two files together we can split we can break it out remove pages there are unwanted pages I do not want to share it only 10 pages then we will remove the other pages extract pages, sometimes you want to extract the pages you can do it, organize pdf if sequence you want to change you can change it, you want to place the page number 10 to the first one you can change it

If you want to scan the pdf, you can go through it. So, these facilities are there. So, compress the pdf, repair the pdf, quality is not there, OCR, Optical refinder is there, you can use it. The edit pdf, you can rotate it, add page numbers, add watermark, edit pdf. These are the facility and the convert the pdf, you can convert also.

JPG TO PDF, Word to PDF, PowerPoint to PDF, Excel to PDF and HTML to PDF and again reverse you can change it. PDF to JPG, PDF to Word, PDF to PowerPoint, PDF to Excel, PDF to PDFE. So, there are security reasons also. So, for the security reasons they have provided unlock PDF. If your PDF document is logged you can unlock it.

If you want to lock it before sending the PDF, you can protect it by the password and sign PDF. This is the best feature of the iLovePDF. They are providing even your Adobe reader is also providing this facility of signing the document. These days we are not signing that taking the printout. Sign it, prepare the pdf and send. No, now these days we are digitally doing the signature on the documents. So, this is the sign pdf option where you can do the signature on digital way on the document. Now, role of iLovePDF I have mentioned and I have given one by one that what you can do with the help of this iLovePDF, you can go through it with the given content and you will see and I will suggest that before not only go to this content, but also you go to the website I have given the name in this content. So, you can better understand when you will go to the website.

And you will find that there are enormous facilities are there and whenever we required, we need not to go to the Google and see that which one will be the better. I am telling you this is the better option. And we can conclude and I had thought that I will show you the

Google tools and your Google iLovePDF, but I am leaving it with you, that you will see, you will find out usefulness of Google tools and iLovePDF for your own ok. I am not going to show the website because you all understand that this is a very good tool.

So, we can conclude that Google tool provides practical and innovative solution for teaching, learning and assessment and also the research. whether inside the classroom for learning or delivery or student engagement or outside the classroom for real-world applications. These tools enhance the accessibility, collaboration and productivity. Teachers and students can utilize these tools to create an interactive, technology-driven and learning environment whereas with the help of iLovePDF it is user friendly tool and we can enhance the digital content creation its editing and we can do the management things with the help of this iLovePDF, whether in research business personal productivity it streamlines the document workflow making it easier to create edit share and organize the different types of PDF. So, its role in enhancing the digital learning environment and paperless workflow makes it essential ICT tool for modern educators and the students. These are few references I have mentioned here. I hope you will go through it.

Thank you. Keep learning.