

EDUCATIONAL TECHNOLOGY AND ICT

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Week-05

Lecture-23

Module-23: PM e-Vidya

Hello dear learners, welcome to the SWAYAM NPTEL course on Educational Technology and ICT. I am Dr. Sarita Anand from the Department of Education, Vinaya Bhavana, Visva-Bharati, Santiniketan, West Bengal, India. Today, we will talk about Module 23, PM e-Vidya, and this is Lecture 23. We have already covered concepts like NME-ICT, the main objectives of NME-ICT, major programs or initiatives under NME-ICT, and we have also visited the website about NME-ICT. Now, I will talk about PM e-Vidya.

PM stands for Prime Minister, Prime Minister e-Vidya. This Prime Minister's e-Vidya is a flagship initiative launched by the Government of India under the Ministry of Education as part of the National Education Policy (NEP) 2020 to promote digital and online education in the country. The scheme aims to provide quality education through a variety of online and digital platforms. Thus, ensuring equitable access to education for students across India, particularly during the COVID-19 pandemic and beyond.

So, it was launched in May 2020 and is designed to use technology to enhance learning opportunities, especially for students in remote and rural areas. It consolidates multiple e-learning platforms and tools into a comprehensive framework to ensure accessibility and inclusivity in the educational landscape. When you visit the PM e-Vidya website, you will find this page, which I have mentioned here in the screenshot. Actually, PM e-Vidya is the umbrella term for mainly six components which they have placed here on this website.

You can see that there are the options in this menu bar, but first we will talk about the objective of PM e-Vidya why they have prepared this website for the country. The main objective of PM e-Vidya is that accessibility and inclusivity. it ensures that all students including those from remote and rural areas have access to high quality education via digital means.

The second one is enhancing digital infrastructure, strengthen the digital infrastructure in schools, universities and other educational institution to facilitate seamless digital learning. This provides the flexible learning options in the personalized learning opportunity through online courses, video lectures and DTS channels. Capacity building of the teacher, it also provides the facilities like digital skills and resources to improve the quality of teaching through platforms like DIKSHA and NPTEL. NPTEL is the integral part of SWAYAM bridging the digital divide Use various digital tools and TV channels to ensure the learning process is not disrupted due to barriers like internet access and infrastructure limitation. So, what is the moto of this PM e-Vidya?

One nation, one digital platform. It brings the together the different initiative under unified digital learning platform. This platform aims to provide the seamless access to the educational content across various mediums ensuring all students regardless of their location have access to the quality learning materials. There are major components of this PM e-Vidya.

These are six initiatives- created an integrated ecosystem of online learning resources, making it a unified digital learning platform. So, you have to remember these 6 initiatives put together here in the PM e-Vidya platform. This is a screenshot of those 6 components. Six initiatives: the first one is DIKSHA, digital infrastructure for knowledge sharing. The second one is SWAYAM.

The third one is Swayam Prabha, the fourth one is for radio, community radio, and podcasts. The fifth one is special e-content for children with special needs and the sixth, or important one, is online coaching for competitive exams. These 6 components are what you will find in the PM e-Vidya platform.

So, the first component is DIKSHA, a vital tool under the PM e-Vidya, providing a repository of e-content, lesson plans, and quizzes for school students and teachers. This whole DIKSHA platform is dedicated to school education. The platform serves as a support system for both teachers and students across the country. The next ones are SWAYAM and Swayam Prabha. You are experiencing SWAYAM, as you are pursuing this course on educational technology and ICT via SWAYAM under NPTEL but you know that theif you want to search you you need not to go to the SWAYAM website only.

If you will click on the PM e-Vidya you will get these initiatives all together at one place that is why we call it one place for the all the initiative and the Swayam Prabha you know already I have discussed that this is direct to home service by the government where the

lectures on 34-DTH services are provided telecast on the television channels and high-quality educational content for schools, colleges and university are being provided on this platform. So, the initiative is significant for the students who live in the area with poor internet connectivity especially the Swayam Prabha and limited access to modern computing devices they can go through the TV channels. The content is available in multiple language to cater the linguistic diversity of India.

The next one is radio community radio and the podcast for the students. The first part is Mukta Vidyavani. This *Mukta Vidyavani* is actually for the open schooling. Mukta Vidyavani is unique educational web radio streaming audio for educational purposes and part of largest open schooling in the world. It enables a two-way communication with any audience that has access to the internet from its studio. The main objective of Mukta Vidyavani program is to empower the learners of secondary, senior secondary and vocational streams of NIOS, National Open Schooling of India, studying various courses course materials through web streaming.

The next one is *Siksha Vani podcast*. Podcast called Siksha vani of CBSC disseminates the audio content for various subjects from grade 9 to 12 in a timely, educative, lucid and seamless manner. Another one is DD and AIR. Doordarshan and All India Radio are broadcasting virtual classes, educational content across the country on radio, YouTube and television. Most of these educational broadcasts start early in the morning and get repeated in the afternoon. The next one is e-content for Children With Special Needs, CWSN. The audio books for visually impaired, Indian Sign Languages, ISL, Directory for Hearing Impaired have been put up on DIKSHA platform.

In its effort to make the website accessible NIOS has incorporated different features which will make it easier for the user to browse the website. Visually impaired learners the for them the study material has been developed in DAISY the digitally accessible information system. A technical standard digital audio book, periodicals and computerized text learners can access all study materials of NIOS through DAISY. The sixth one is online coaching for competitive examination. Especially the school student will like it, also the IIT aspirants can utilize this. NEET aspirants can also utilize this. This is run by the Department of Higher Education. Had made arrangement for online learning for competitive examinations. IITPAL and E-Abhyas.

These are the two terms. IITPAL for IIT professors assisted learning is series of lectures prepared by IIT professionals to help the students prepare for joint entrance exam JEE. And

another one is E-Abhyas, it is personalized adaptive learning platform for students taking competitive exams like JEE and NEET conducted by the National Testing Agency the NTA.

The scope of PM e-Vidya definitely expanding its coverage the scope of PM e-Vidya will continue to expand to include more courses content types and regional languages ensuring that benefits reach to the even wider audience. Enhance integration with the existing platforms like greater integration and collaboration with the state level educational boards, local governments and private sector players will help improve the implementation of scale of digital learning.

The third one is addressing the infrastructure gap. The government is likely to focus on enhancing the internet infrastructure in rural and remote areas and ensuring all students have access to the necessary technology for online learning. So, these were about the PM e-Vidya theoretically, but now we will visit the PM e-Vidya website practically. So, let us visit the website of PM e-Vidya. I will click on the link, and it will take a few seconds, and we will directly go to the pme-vidya.education.gov.in.

This is the page when you click on the link of PM e-Vidya. You will find that it shows the Ministry of Education, Government of India, and here on the top bar, you can see the initiatives listed: DIKSHA, SWAYAM Portal, Swayam Prabha, Radio, E-Content for CWSN, Online Coaching for competitive examination. So, one by one, we can go through them. You just have to come here on the PM e-Vidya page. Whatever initiatives are mentioned here, you can click on them. You can scroll through the page. I have mentioned this screenshot of the six initiatives posted here on the PM e-Vidya platform. At any point, you can click to open them.

Now, we will click on DIKSHA because you already know about SWAYAM and Swayam Prabha. So, I will click on the DIKSHA portal. Here is the link, and it is directly going to another webpage: diksha.gov.in. It shows that open digital content is available here by NCERT, CBSE, NIOS, and state boards. You can click on the state board or whichever board you want to see. You can scroll through them. Whatever is your requirement, you can click and open the content. For example, if we are working in West Bengal, we will go for West Bengal. I think West Bengal is missing.

So, we will open on the Uttar Pradesh view more. Let us see ok. This requires many information. So, we will go back and latter you this as homework for you all that you will go through this page of PM e-Vidya and you can go through the content. I will go for this

Swayam Prabha you we can check. Let us check it. because if you are not creative or curious about the facilities you can not know everything by the lectures only. So, you have to mention here the course what course you want to use UG and PG and then it will provide the content. then the radio what they are showing in the radio section the sample content is showing here and go through this content and you will be knowing about these facilities provided here ah. This information I have mentioned in the PPT and about the online coaching you can go through this this test practice.

NTA test practice it will bring you to the NTA website and you can go for the practice and this is the page for your competitive examination practices. So, these were about the PM e-vidya and I will request you all learners that please go through these facilities this website lots of money is expended here. So, we definitely should use and utilize for educational purposes. Now, we will go for the next page conclusion.

Yes, PM e-Vidya represents a groundbreaking initiative by the Government of India to reshape the educational landscape by giving digital technology. Through integrating various digital learning platforms and ensuring equitable access, the scheme has made significant strides toward improving accessibility and the quality of education across the country. While challenges like the digital divide remain, PM e-Vidya continues to evolve and expand to meet the needs of a diverse and digitally dispersed student population. There are some references for your further reading, and you should definitely go through the PM e-Vidya website.

Thank you.