Enhancing Quality of School Education through DTH Channels in Andhra Pradesh

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Abstract:- The role of technology has expanded to such an extent that ICT is prevalent in every aspect of life. ICT promotes integration of information for imparting easily accessible, affordable and quality education. There is an inconsistency between the widely accepted promise of ICT to transform teaching and learning and its actual implementation.

The National education policy 2020 aspires and aim to make our country global knowledge superpower .The policy built on the foundational pillars of Access, Equity ,Quality ,Affordability and Accountability has been aligned to the 2030 agenda for sustainable development and aims to transform India into a vibrant knowledge society and global knowledge superpower by ensuring equitable and universal access to the highest quality education for all learners regardless of social and economic background.

Keywords:- ICT, MOOC, PM E-VIDYA, DTH - CHANNEL, E-Patasala.

➢ *Objectives*
- To know the influence of the ICT on student
- To study the ICT proved quality of education
- To assess ICT based tool are more impact in student academic life

I. INTRODUCTION

The vision outlined in NEP 2020 for creating a coherent and resilient system of education has been taken up by ministry of education (Moe), Government of India as a mission to accomplish and CIET -NCERT under the signs of the MoE has been trying it's best to accomplish the mission.

With the backdrop of the diversified educational needs of the country, PM e VIDYA was launched in 2020 to ensure access to quality educational contents for all in anytime and anywhere mode. It is a comprehensive initiative which aims to unify all efforts related to digital, online and on-air education and thereby reaching the unreached.

PM e VIDYA initiative is unique in different ways as it offers multimodal access to education resources or e content through digital/online /on-air including radio technology.one of the major components of PM e VIDYA initiative is DTH TV channels branded as one class one channel. Initially 12 DTH TV channels as part of one class one channel scheme were launched on September 1 20 20 as for as part of Atman Nirbhaya Bharat Abhiyan.

The use of DTH TV for school education received fresh and unprecedented push during the outbreak of COVID-19 pandemic. The pandemic induced lockdown and closer of schools had massively this disrepute the teaching -learning activity. The arrival of Directed -to -home (DTH) transmission technology has revolutionized both the quantity and quality of television service. Now the scope and member of DTH TV channels for school education is extended to 200 more channels for facilitating States /UTs and other organization in telecasting appropriate e contents based on their educational needs.

II. STATUS OF DTH CHANNELS IN ANDRA PRADESH

In this scenario the Government of Andhra Pradesh has started 5 DTH channels to ensure learning for all with equity sources to cover all students at all level of education and in all geographical location, even in the remotest part of Andhra Pradesh. Class 3rd to 10th class non languages subject e content was prepared by SCERT Andhra Pradesh for PM e VIDYA DTH channels. And also, the same content was disseminated through another four platforms. PM e VIDYA was rolled out in integration with various other ongoing initiative such as DIKSHA (digital infrastructure for knowledge sharing), Tabs, IFP and AP e-Patashala. Total five platforms are disseminating the same e-content to avoid the confusion, among the stakeholders according to the academic calendar which was prepared by SCERT Andhra Pradesh. online courses in, MOOCs(massive open online courses) format for school education. From 2023 - 24 academic year Andhra Pradesh provided quality supplementary education in regional languages.

PM e- VIDYA is unfolded through 6 components integrated /introduced as part of the initiative.
- **DIKSHA** one nation one digital platform as digital infrastructure for school education.
- **DTH TV channels (12+200)** - one class, one Channel for school education.
- **SWAYAM** courses in MOOCs format for school education
- **Community Radio Station (CRS)** and Podcast for school education.
- **E- content** for DIVYANG per school education.
- **IIT PAL** for competitive exams.

These components are also enabled for coherent access of the he contents across different platforms (telecast, broadcast, podcast, web portal and mobile apps) for the convenience of the uses. Andhra Pradesh government supplied 6000 IFPs, Tabs for 8 class all students for all high schools lost two academic years. State Center for Educational Research and Training (SCERT) Andhra Pradesh taken initiation of implementing this in classroom from 6th to 10th Classes in the academic year 2018-19.

SCERT Andhra Pradesh prepared E-content for languages from 3rd to 10th classes nearly 650 modules and Biju's E-content for non-languages i.e., science, math's, social studies for 6th to 10th classes which is accessible for teachers, students and also parents. This E-content is available through DTH channels transmitted by CIET-NCERT, Interactive flat panels, Deeksha App, AP e-Patashala App, YouTube from 2023-24 academic year. Improvisation of data related to the curriculum up going on day-by-day pictures reference books puzzles, games and updated information will be added.

The motive of the study is to investigate, compare and evaluate the effects on pupils, attitudes towards ICT through DTH channels. A questionnaire is designed on the basic knowledge of ICT and uses of ICT comments. Data is collected from students of class IX academic session 2018-19. The response is analyzed for a different set of it is found with high degree of confidence that students who are more using ICT for clarifying doubts. Learning though DTH channels have better impact on student achievement. Thus, there is a great scope and potential to work in the field and to improve the conditions that are there so that the impacts of ICT are more efficiently conveyed to the students.

Information and communications technologies are a diverse set of technological tools and resources used to communicate and to create, disseminate, store, and manage information. Communication and information are at the very heart of the educational process, consequently ICT through DTH channels use in education has a long history. DTH channels has played an educational role in formal and non-formal setting, in programs provided by governmental agencies, public and private educational institutions, for-profit corporation and non-profit groups, and secular and religious communities, Information and communication technology is the study of developing and using technology to process information and aid communication.

III. DTH CHANNELS FOR EDUCATION: ENHANCING LEARNING IN THE CLASSROOM

Direct-to-Home (DTH) channels have emerged as a valuable tool in the educational sector, providing a wide range of benefits for both students and teachers. Initially popular for delivering entertainment content, DTH technology has been increasingly harnessed for educational purposes, offering a dynamic and accessible way to enhance learning experiences. Here's how DTH channels can make a significant impact in the classroom:

IV. BENEFITS OF DTH CHANNELS IN EDUCATION

➢ *Wide Accessibility:*
- **Geographical Reach**: DTH services can reach remote and rural areas where traditional educational infrastructure might be lacking. This ensures that students from various locations have access to quality educational content.
- **24/7 Access**: Educational content can be broadcast around the clock, allowing students to learn at their own pace and convenience.

➢ *Diverse Content:*
- **Variety of Subjects**: DTH channels can cover a broad spectrum of subjects and topics, catering to different educational levels and interests.
- **Expert Lectures**: Students can access lectures and seminars from renowned educators and industry experts, providing them with high-quality learning experiences.

➢ *Interactive Learning:*
- **Live Sessions**: Many educational DTH channels offer live classes where students can interact with teachers in real-time, ask questions, and participate in discussions.
- **Interactive Quizzes**: Some channels incorporate quizzes and assessments to engage students and test their understanding of the material.

➢ *Cost-Effective Solution:*
- **Affordable Access**: DTH services are often more affordable than other forms of digital education, making them accessible to a broader audience.
- **No Internet Required**: Unlike online learning platforms, DTH channels do not require an internet connection, reducing barriers for students in areas with poor connectivity.

➢ *Supplemental Learning:*
- **Revision and Reinforcement**: Educational content on DTH channels can serve as a supplementary resource for students to revise and reinforce their classroom learning.
- **Homework Help**: Channels often provide tutorials and solutions to common homework problems, assisting students outside school hours.

➢ *Enhanced Engagement:*
- **Visual and Audio Aids**: The usage of videos, animations, and infographics makes learning more engaging and easier to understand.
- **Real-World Applications**: Educational DTH channels can broadcast documentaries, real-life applications, and case studies that help students relate theoretical knowledge to real-world scenarios.

V. HOW DTH CHANNELS CAN BE INTEGRATED INTO THE CLASSROOM

➢ *Classroom Broadcasts:*
- **Scheduled Viewing**: Teachers can schedule specific educational programs to be viewed in class, aligning them with the curriculum and enhancing lesson plans.
- **Group Discussions**: After watching a program, students can participate in group discussions and activities to deepen their understanding.

➢ *Homework Assignments:*
- **Watching Assignments**: Teachers can assign specific programs for students to watch at home as part of their homework, followed by related tasks or questions.
- **Project-Based Learning**: Students can be assigned projects based on the content they view, encouraging independent research and application of knowledge.

➢ *Resource Centre s:*
- **School Libraries**: DTH channels can be made available in school libraries or resource centers, where students can access educational content during free periods.

- **Learning Hubs**: Setting up dedicated learning hubs equipped with DTH services can provide students with a quiet place to study and access educational resources.

➢ *Teacher Training:*
- **Professional Development**: Educational DTH channels often offer content aimed at teacher training and professional development, helping educators stay updated with the latest teaching methods and subject knowledge.
- **Teaching Aids**: Teachers can use content from DTH channels as teaching aids to supplement their lessons and provide diverse perspectives.

VI. ROLE OF ICT IN EDUCATION

ICT is increasingly becoming a more and more powerful tool for education. This enables active learning through all senses in 8 ways learning made fun by using ICT tools in class room.

- Offer extra practice for early finishes.
- Choice to go on gallery walk.
- Simplify research project.
- Provide support struggling readers.
- Add pizzazz to you word wall.
- Give tutorial help for home work.
- New reference books availability.

VII. METHODOLOGY

For this study we select the secondary school students from different secondary school in Nellore district each school select the students 10 member only and finally sample size is 100 students from government schools-50, privateschools-50 and also secondary schools from Rural-5,Urban-5 students in Nellore district.

Table 1 Results to be Drawn for Following Aspects

Q. No.	Statements	Agree	Disagree	Neutral
S 1	DTH channels is useful for clarification of doubts	89%	9%	2%
S 2	DTH channels provide quality education	65%	19%	16%
S 3	Education through DTH channels is cheap as compared to classroom education.	12%	79%	9%
S 4	ICT provides infotainment (Information and Entertainment).	92%	5%	3%
S 5	Education through ICT easy and fast	88%	2%	10%
S 6	ICT useful for finding out new concept	60%	22%	18%
S 7	ICT useful searching more information related to curricular area	62%	13%	25%
S 8	ICT useful for regular project work	77%	11%	12%
S 9	ICT is more useful for clarification of doubts compare to parents	56%	29%	15%
S 10	ICT act as catalyst for growth of a person.	46%	37%	17%

- Above table showing that the 89% of students agree for DTH Channel is useful for clarification of doubts, 9% of students disagree and 2% of students at neutral position
- 65% of students agree for DTH Channel provides quality education. 19% of the student disagrees for this and only 16% of students at neutral position.
- 12% of students were agree on the statement 'Education through DTH Channel is cheap as compared to class room education', 79% of the students disagree and 9% of the students at neutral position.
- 60% agree 22% disagree and 12% of the student neutral position on DTH Channel useful for finding out new concept.
- 92% agree, 5% disagree and 3% neutral position on DTH Channel provides infotainment of secondary school students.
- 88% of the students agree on the statement is 'education through DTH Channel easy and fast' remain the students 2% disagree and 10% neutral on this one.
- 62% of the students were agree for DTH Channel useful searching more information related to curricular area and remaining 13% disagree and 25% neutral.
- 77% of the students were using DTH Channel for project work and 11% of the students are not remaining the students not reveal anything.
- Only 56% students are agree DTH Channel is better for clarification of doubts compare to parents and 29% of the students DTH Channel is not for clarification doubts compare to parents. Remaining 15% of the students are undecided
- 46% of the students agree for 'DTH Channel act as catalyst for growth of a person', 37% of the students disagree and 17% of the students at neutral position.

VIII. LIMITATION OF THE STUDY

This study conducted on 100 secondary school students only and not with respect personal variable. This study restricted on enhancing quality in Secondary education through successful implementation of DTH CHANNELS in education.

IX. CONCLUSION

DTH channels offer a versatile and powerful tool for enhancing education in the classroom. By providing wide accessibility, diverse and interactive content, and cost-effective solutions, DTH technology can significantly improve the learning experience for students. Integrating DTH channels into educational settings not only supports traditional teaching methods but also introduces innovative ways to engage and inspire students, ultimately fostering a more dynamic and inclusive educational environment. DTH CHANNEL provide access, equity, equality, affordability and accountability for sustainable development towards knowledge society.

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