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## Paper Presentation in National Seminar ON

## Digitalization - Issues and Challenges

Under RUSA 2.0 Scheme
Organized by
Dept. of Management Studies and IQAC
Sri Y.N.College(A), Narsapur
Date: 14-11-2019

## A Report On

## Paper Presentation in National Seminar <br> ON <br> Digitalization - Issues and Challenges

## Under RUSA 2.0 Scheme

Smt. G.Sowjanya, Lecturer in Computer Science and Smt B.Kabitha Rani, Lecturer in Commerce, Sri YN College presented a paper on "Digitalization in Education" under RUSA 2.0 scheme organized by Dept. of Management Studies and IQAC, Sri Y.N.College(A), Narsapur on 14-112019.


## Participation and Presentation Certificate



## Digitalisation - Issues and Challenges

K.Venkateswarlu<br>R.Pardha Saradhi<br>P.Venkata Subba Rao<br>A.V.Ramana

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# Digitization in Education 

B.Kabitha Rani, M.Sc (Computers), M.Sc(Maths),MS,M.A(English), Lecturer in Commerce, Sri Y.N.College, Narsapur, W.G.Dt

G.Sowjanya, M.Sc(Computers), Lecturer in Computer Science, Sri Y.N.College,

Narsapur, W.G.Dt,

Abstract: With the advent of Innovation and Technology it has been predominant in almost all sectors in India with each undergoing a huge change in past years. Technology made everything faster and easier, leaving no option for various sectors of the economy but to adapt the change to become obsolete. Digitization is the integration of digital technologies into everyday life by the digitization of everything that can be digitized. Digitalization in Education refers to the use of computers, mobile devices, internet, software applications and other types of technology to teach students. Few examples of digitalization are test-taking, e-books, edutainment and online universities. There is a huge scope to take education to the remote parts of the country for enhancement. Teachers do face the digital learning challenges. Most of the teachers will be willing to make their classroom a digital learning environment. However few teachers do express about the time when technology let them down.
Key Words: Digital education, Digital literacy, Digital citizenship.

## Introduction:

An evaluation of the digitalization of education must look at what education itself aims to achieve. This enables us to consider how education is being shaped by digitalization, and to identify the risk that it misses a vital element. One way to uplift the quality of education is through digitization. Digital Education is as complex and relevant as other "digital fields". Digitization is the trending term, describing the $21^{\text {st }}$ century in the most precise manner as possible. We are in the era where unprecedented ideas are unfolding in our education industry and creating the advancement that can't be matched by lagging behind in terms of technology.

Encourages self-study: Digitization allows for personalized learning because students can use their choice of digital devices. The academic potential, strengths and weaknesses and learning pace of every student can be catered to. It also opens up communication channels, allowing students
to get more attention as well as enabling them to track their coursework progress and identify areas of improvement.

- Access to Higher Education: Digitalization opens up higher education to people who wouldn't be able to afford or access it otherwise, such as people living in remote locations. Similarly, digitalization, through online learning makes it possible for students to access their sessions when they want and learn at their own pace.
- Improves understanding: Virtual Reality tools and videos can be used to help students use e-learning platforms on multiple mobile devices interact directly with study material. For educators to it is a boon, Augmented Reality can help teachers and trainers in explaining and performing tasks.

The new phase of learning has begun and involves various advanced techniques like:

- Online courses: Want to learn a new language or maybe to get trained in some specific course, but have no time to cover the distance? Online courses are developed by experts who have unmatched proficiency in then specific field and can give you the experience of real-time learning bdesigning their own online course.
- Online exams: Digitization gave way to the online exam, making the examination process convenient for both teachers and students.
- Digital textbooks: Also prevalent with other names like e-textbooks and e-texts, digital textbooks provide an interactive interface in which the students have access to multimedia content such as videos, interactires presentations, and hyperlinks.
- Animation: This is a captivating approach in which students learn in better manner. By offering a visual representation of the topic, students grasp the concept in a more understandable manner. Even the toughes topics can be presented in a simplified way with the help of animation.

Educators will use technology and promote its use by their students, but they must also equip their students to deploy it in support of their own, humat emancipation. People should be able to stand apart from technology, as well to immerse themselves within it. Ultimately, this is what makes us human. model this kind of citizenship, "real-life" engagement should permeate "teacher-student-knowledge-technology pedagogical tetrahedron". Teach are at the front line of digitalization. Their role is crucial in helping studen to develop healthy digital lives. The important issues of digital lifestyl digital competence and digital literacy should not be left to one side students lock away their smart phones at the start of the day.

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Digital 1 compose clear Digital literacy upon the skills t literacy is separ thinking skills, online environm by digital techng + critical think being a digital they utilize tech is the ability to digital forms.

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## Digital Citizen

Digital Citizens ducation or participation in Sducation" to ngagement and heir online ac itizenship educ n digital enviro


## Smart equipments for teaching and learning methods:

Power Podium: Power Podium adds power to your classroom. The basic application of this device is to help teachers deliver subject lectures conveniently. Power Podium is an integrated Public Addressing Podium. It has built-in amplifier, microphone, speakers and LED light that enables presenters or teachers to deliver presentations or lectures successfully.

Digital Podium: The infrastructure of a smart classroom completes with the advanced digital podium. As the name specifies technology and the podium means a lecture stand. The amalgamation of both can transform the learning into mind-boggling yet interesting session. It consists of a Touch monitor Visual Presenter/Document Camera/ Visualiser, Public Addressing(PA System, Uninterrupted Power Supply.

Smart Tables: The sturdier cousin to the smart board, smart tables are reorienting information for all ages. Smart tables take information off the wall and put it on tables. Smart table focus their innovation on making the displan sturdier than their wall-mounted cousins and supporting more simultaneos interactions.

Smart Board: Smart boards operate just like a white board, allowing a persor to write on them with real or digital markers. Smart boards then surpass theisimple white board ancestors by recording what is written or turning a digita marker line into a tangible visual element.

Interactive White Board: In the dynamic world of digitization wher= technology is all pervasive, interactive white board remains the lates innovation in Indian education. Run with technology, White board is an advanced teaching device that allows a teacher to interact with student through effective audios and visuals.

Visual Presenter: Visualizer simplifies the learning process by reducing the distance of words through interesting images. Visual Presenter is a modert way of presenting the content with visual display for classrooms, vider conferencing, science laboratory, and so on.

Projectors: Projectors on their surface are a simple technology that has been around for decades. Historically used to project lecture notes or multimedir presentations, these classroom cornerstones can do so much more.

Smart phone video projects: Smart phones have many uses in the digita learning and making video projects. There are programs that help to edit ant produce the work in a more professional way that is easy to learn.

Digital Textbe schools are cutt were simply the look more like of

Cameras: Cam installed in lapte in the classroon accessed througt

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Lack of qualit difficult to collec administrator an librarian to devel

High costs: Sch as digital resoure

Security Issue invest on securi internet safety.

Lack of traini difficult for them digital learning use various digita

Not a substitu virtual assistanta interaction. Teac


Instead, teachers should use digital resources as supplemental and complementary tools for the classroom.

Conclusion: Digitization has changed the education system withou diminishing the old time classroom learning. Neither do we want something priceless to turn into dust. The best part about the digitization of education the 21st century is that it is combined with the aspects of both; classroom learning and online learning methods. Walking hand in hand both act as support system to each other, which gives a stronghold to our moder students. Digitization in education has also proved to be the right method for saving resources. Online examination platforms have restricted the frivolous usage of paper, directly confining the cutting down of trees. This way the digitization of education industry proves to be a boon to our society.

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## Digital 1

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Abstract: Digitali comfortable work powerhouse of soft citizens is still Technologies can variety of ends, be government intera through access to i efficient governme in 2006 has made ICT Infrastructure in electronics manu Keywords: ICT Ir

## Introduction

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## About the Editors

Dr. KarnaVenkateswarlu, M.Sc.(Tech.)., Ph.D., is presently Principal of Sri Y.N.College, Narsapur, West Godavari Dist, AP. He has 35 years of teaching experience in the Dept. of Electronics of Sri Y.N.College and: 20 years of research experience. He presented several research papers in National and International seminars and conferences. He has published two books and five research papers in National \& International ? journals. He conducted two UGC research projects and one National Work Shop. He was honoured with? the State Best Teacher Award by the Government of A.P. in the year 2005.

Dr.R.Pardhasaradhi is presently working as Associate Professor and Head of the Department of Management Studies and the Director in Charge of Dr. C.S.Rao P.G. Centre, of Sri Y.N. College. He has 28 years of P.G. teaching experience. He authored three text books and published 12 research articles. He participated in several seminars and workshops. He organized several workshops in the College. He is the recognized research guide of the Adikavi Nannaya University and presently guiding one Ph.D., scholar. He is a member on the P.G. Board of Studies of the Dept. of commerce \& Management, AdikaviNannaya University, editorial board member to the International Journal for Economics \& Business Management and a member of Environmental Advisory and Sustainable Trust.

Dr. P.Venkata Subba Rao is working as Asst. Professor in the Dept. of Management Studies, Dr. C.S.Rao PG Centre \& Director, Gandhian Studies Centre of Sri Y.N.College. He is qualified in the UGC approved SLET exam. He has presented more than 45 papers in National and Internationakseminars and conferences. He has published one book and 46 articles in standard academic journals. He has 20 years of P.G. teaching experience. He was the Convener for a Student Training Programme \& National Seminar organised in Sri Y.N.College through the financial assistance of RUSA, UGC.

Andey Venkata Ramana is presently working as Assistant Professor in the Dept. of Management Studies, Dr. C.S.Rao P.G. Centre, Sri Y.N.College, Narsapur. He has 24 years of PG teaching experience. He participated in several National and International seminars and presented papers. He did his Ph.D. work in the Paddy Marketing and submitted thesis to the Andhra University. At present he is the Co-Coordinator of IQAC, Sri Y.N.College, Narsapur.


Or. Marna Denkateswarlu


Ir A.Pardhasaradhi


Ir. P. Uenkata Subbarao


Andey Venkala Aamana

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## ABSTRACTS

## ORGANISED BY

DEPARTMENT OF MANAGEMENT STUDIES (M.B.A) Dr. C.S.RAO P.G.CENTRE \& DEPARTMENT OF COMMERCE (UG), INTERNAL QUALITY ASSURANCE CELL (I.Q.A.C) SRI.Y.N.COLLEGE (AUTONOMOUS)

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Dr.N.ChintaRao, Director, Dr.C.S.Rao P.G.Centre
Sr.Showrilu K, Vice-Principal, RUSA Coordinator, Ch.S.D.St.Theresa's College for Women, Eluru.

Mrs. Santosh Jhawar, Head, Dept.of Mgt.Studies, Ch.S.D.St.Theresa's College for Women, Eluru.

Smt.S.M.Maheswari, Vice-Principal
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Dr.R.Pardhasaradhi, M.B.A., Ph.D.,
Head, Dept. of Management Studies
CONVENER:
Dr.P.V.Subbarao, M.A., M.B.A., Ph.D.,

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Mr. A.V.Ramana, M.B.A.,(Ph.D)

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the $21^{\text {st }}$ century where technology knows no bounds. This is the phase of adical development where technology is taking over every niche and corner. S-artphone's, laptops, and tablets are no more unknown words. During this Fhase the education system is evolving for the sake of betterment, as this generations students are not born to be confined by the limits of simple farning; their curiosity is vast and cannot be catered with educational systems that were designed earlier. Our old educational system lacks the capability to stand a chance in the 21 st century.


## DIGITIZATION IN EDUCATION

B. Kabitha Rani, Lecturer<br>G.Sowjanya,Lecturer<br>Dept. of in Computer Science, Sri Y.N.College(Autonomous), Narsapur, W.G.Dt.

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## DIGITALIZATION OF EDUCATION

B.Rajesh Kumar, Asst. Professor G.Prasannna Kumar, Asst. Professor<br>Pragati Engineering College, Surmapalem<br>rajeshasstprofessor@gmail.com<br>prasannag485@gmail.com


#### Abstract

Digitalization in education refers to the use of desktop computers, mobile devices, the Internet, software applications, and other types of digital technology to teach students of all ages. We are running into the 21 st century where technology knows no bounds. The modern society wants to know the


