



Original Research Article

#### 21st CENTURY ANDRAGOGY SKILLS FOR THE NUMISMATICS STUDY

\* Miss. Afsana Harun Maneri,

#### \*\*Mrs. (Dr.) P.S. Patankar,

\* Research Student, Department of Education, Shivaji University, Kolhapur

\*\*Head, Department of Education, Shivaji University, Kolhapur.

## Abstract:

Many arguments related the education of children and adults have existed for a long time. Methodology for studying and teaching is an educational tradition passed down from generation to generation. In that is a change between schooling and adult (distance)education. Two different groups are assumed to be learning under the same philosophy. However, in 1970, Malcolm Knowles developed a well-known concept called andragogy to meet the specific educational needs of adult students, and this concept has been adopted by teachers in various disciplines in the education sector around the world. Andragogy as stated by Malcolm Knowles is established on 6 assumptions- (1) the need to experience, (2) self-concept of the learner's, (3) the part of the learn- ears' experiences, (4) readiness to learn, (5) orientation to learning, and (6) motivation. This paper presented information about the application of 21st century Andragogy skills for Numismatics study.

21st century Andragogy skills- While the particular skills considered to be "21st century skills" may be explained, classified, and resolute differently from character to character, area to area, or academic to academic, the term does reflect a general. Knowledge, work habits, skills and character traits are briefly explained in 3 categories of 21st century skills.: A) Learning skills- i. Critical thinking, ii. Creativity, iii. Collaboration, iv. Communication, B) Life/ Personal skills - i. Flexibility, ii. Leadership, iii. Initiative, iv. Productivity, v. social skills and C) Literacy skills- i. Information literacy, ii. Media literacy, iii. Technology literacy etc.

#### **Objectives** of paper

- a. To explain the purpose of Numismatics study.
- b. To analyse the different 21<sup>st</sup> Century skills.
- c. To explain the application of 21<sup>st</sup> Century skills of Andragogy for Numismatics study.

Key words: 21<sup>st</sup> Century Skills, Numismatics Study, etc.

**Copyright © 2022 The Author(s):** This is an open-access article distributed under the terms of the Creative Commons Attribution 4.0 International License (CC BY-NC 4.0) which permits unrestricted use, distribution, and reproduction in any medium for non-commercial Use Provided the Original Author and Source Are Credited.

#### Introduction:

Now we are in the 21st century and everyone has a goal and to fulfil it they have to face many challenges. Education plays an important role in it and Addressing challenges through education requires different skills and it is through it that the future generation is formed. Many arguments related the education of children and adults have existed for a long time. Methodology for studying and teaching is an educational tradition passed down



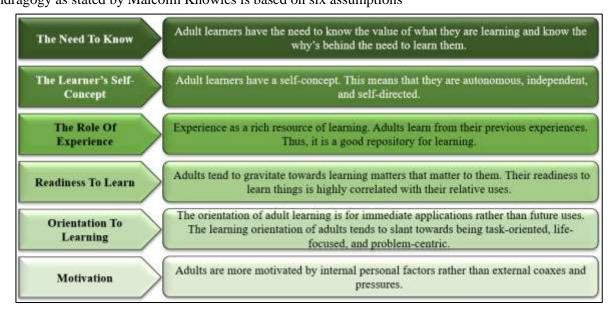






Original Research Article

from generation to generation. In that is a change among child and adult education. Two different groups are assumed to be learning under the same philosophy. However, in 1970, Malcolm Knowles developed a well-known concept called Andragogy to meet the specific educational needs of adult students, and this concept has been adopted by teachers in various disciplines in the education sector around the world. Andragogy as stated by Malcolm Knowles is based on six assumptions



## Figure: Knowles' Six Assumptions (The Basic Andragogical Principles)

21st century Andragogy skills- While the particular skills considered to be "21st century skills" may be explained, classified, and resolute differently from character to character, area to area, or academic to academic, the term does reflect a general. Knowledge, work habits, skills and character traits are briefly explained in 3 categories of 21st century skills.: A) Learning skills- 4Cs Critical thinking, Creativity, Collaboration and Communication, B) Life/ Personal skills - i. Flexibility, ii. Leadership, iii. Initiative, iv. Productivity, v. social skills and C) Literacy skills- i. Information literacy, ii. Media literacy, iii. Technology literacy etc.

## **Objectives of Paper**

- a. To explain the purpose of Numismatics study.
- b. To analyse the different 21<sup>st</sup> Century skills.
- c. To explain the application of 21st Century skills of Andragogy for Numismatics study.

## Methodology of This Research Paper:

For this research paper used secondary sources, this research paper various reference books, articles, internet sources like secondary sources have been used and content analysis technique has been used.

#### Andragogy:

Andragogy means "The understanding of the science and practice of adult learning."

Definition: "The theory, methods, and activities involved in teaching adult learners."

- https://dictionary.cambridge.org







Original Research Article

"The art or science of teaching adults." - https://www.merriam-webster.com

Andragogy is "The art and science of helping adults learn, in contrast to pedagogy as the art and science of teaching children"- Knowles (1980, p.43) define.

Through Andragogy, teachers can involve the students in the planning of educational goals, the principles for this work and create the necessary instructions to fulfil their purpose. Also, they work together to plan appropriate activities for different activities, problem solving, communication improvement between students and teachers, instructional materials and thus, it helps in building trust among the students and teachers develop self-awareness in students.

Andragogy is applied in many contexts, which has changed the educational philosophy of teachers all over the world. Considering the present educational requirements, educational approaches to teaching adult students are declining. They want to be actively engaged in the learning process to create their individual knowledge, to be aware of studying and to spread what they have studied to the present situation rather than one-way learning from the teacher. Educators, as well as all worldwide educational systems, must provide opportunities for all students, both children and adults, to actively participate in learner-centred educational learning.

## **Numismatics Study :**

Numismatics is considered a subsidiary science or science. Through this helps to learn archaeology or ancient history effectively. Numismatics is considered as important evidence for understanding the history of any region of coins and related objects.

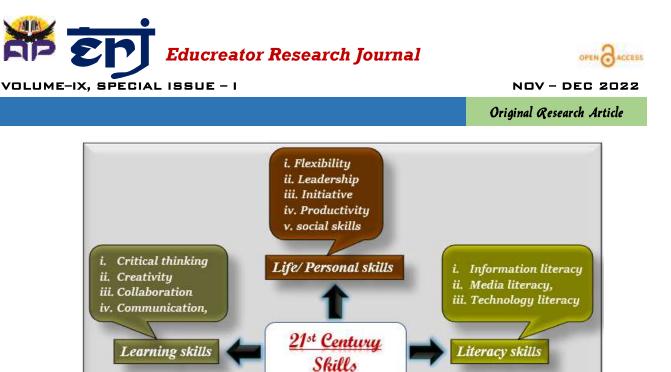
Numismatics is not only concerned with the physical aspects of coins, but it is convenient to study chronologically through the fact that currency is considered as a historical object and source of History. Students get information about monetary system, monetary policy, trade, economy, etc. through the study of Numismatics. Numismatics is recognized as an important evidentiary discipline within archaeology in Indian historical studies. Numismatics is important for the study and conservation of our historical cultural heritage. Through numismatics, the students get information about the monetary system along with the trade and transactions of different countries, from which the feeling of preserving the historical heritage of our country grows in the minds of the students. Therefore, Numismatics has been included in the curriculum by the government at different educational levels.

## 21st century Skill:

21st century skill is an extensive set of knowledge, a different skill, work manners, and attributes of personality, and is trust by teacher, school reformers, college professors, employers, and others. To succeed in today's world, it's important to work critically especially in college programs and contemporary careers and workplaces. That means, 21st century skills can be incorporated into all academic disciplines, academic careers, and the student's lifelong success.

21st century Andragogy skills- Below is a brief explanation of the three categories of 21st century skills.





 
 Standards And Assessments
 Curriculum and instruction
 Frofessional development
 Learning environments

Figure: P21's Framework for 21st Century Learning.

#### Reasons for Teaching 21st Century Skills to 21st Century Learners:

Because, 21st century skills are constantly being ready for any change, finding and using various information, creating tools to solve problems in daily life, developing character, developing competitive attitude, encouraging and motivating innovation.

# The Application of 21<sup>st</sup> Century Skills of Andragogy for Numismatics Study

**21st Century Learning Skills (4 C's)** 

i. Critical thinking	G SKILLS iv. Communication
Students reason skillfully about a topic, consider systems that relate to that topic, and understand how to interact with each other. Also, they take decisions and solve problems in both traditional and innovative ways.	Students should be able to present their ideas using oral, written and non-verbal communication skills. They must also be able to effectively listen and use communication to a range of objectives, formulating different ideas, using it effectively.
<i>ii.</i> <u>Creativity</u> The student develop creative thinking and from that students implement new idea, demonstrate new inventions an individual or in group. Elaborate, elaborate, refine, analyze and evaluate their own ideas in order to improve and maximize creative efforts.	<i>iii. Collaboration</i> Students should have the skills to facilitate effective collaboration by informing, instructing, motivated and persuading others through communication. In addition, students should be able to communicate in a variety of multilingual environments.

Source: https://files.eric.ed.gov/fulltext/ED543032.pdf

Peer Reviewed Referred Journal

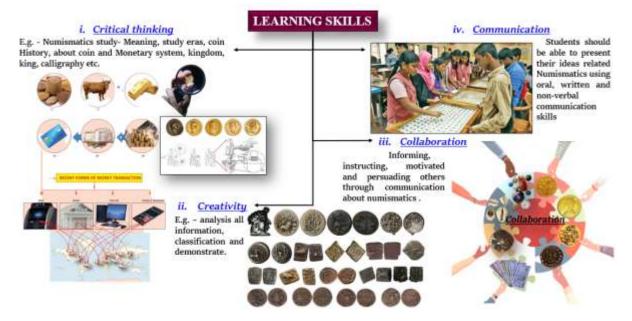






Original Research Article

## The application of 21st Century Learning Skills (4 C's) of Andragogy for Numismatics study



# **21st Century Life/ Personal/Career Skills**

## LIFE/ PERSONAL/CAREER SKILLS

#### i. Flexibility

Students should have the ability to adapt to changes in various roles, job responsibilities, schedules and contexts, and work effectively in environments of ambiguity and changing priorities, exhibit flexibility in negotiation, and balance different views and beliefs to arrive at viable solutions.

#### ii. Leadership

Effective leadership skills include working well with others through the use of own strengths and problem-solving skills, and adopting the skills to demonstrate appropriate integrity and ethical behavior by leveraging their strengths.

#### iii. Initiative

To equip students with the ability to combine time and work management according to their goals and to work independently accordingly. Be a self-directed learner by going beyond the curriculum in a variety of opportunities with your education.

Source: https://files.eric.ed.gov/fulltext/ED543032.pdf

## V. Social Skills

To inculcate in students the skills to communicate effectively with others in a respectful, professional manner and to take advantage of social and cultural differences to generate new ideas and enhance innovation and quality of work.

#### iv. Productivity

To develop the ability of students to set goals and achieve them in the face of obstacles and competitive pressures to achieve their desired outcomes. Demonstrate additional attributes of high quality work, including collaborating and cooperating effectively and respectfully with diverse teams, multi-tasking and being accountable for results.

Peer Reviewed Referred Journal

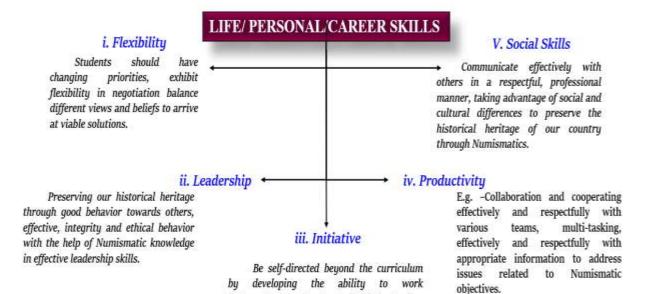






Original Research Article

#### The application of 21st Century Life/ Personal/Career Skills of Andragogy for Numismatics study



# **21st Century Literacy Skills (ITM)**

independently rather than being limited to just the Numismatics curriculum. E.g. coin

collector, calligraphy reader etc.

## i. Information Literacy

Students are able to access and evaluate information effectively and use and manage that information purposefully for the issue or problem at hand. They exhibit awareness and application of knowledge on the ethical/legal issues surrounding the use of information.



# ii. Media Literacy

Understanding how, why, and for what purposes, media messages are constructed, and how individuals interpret messages differently. Students create media utilizing the most appropriate media creation tools, characteristics and conventions in diverse, multi-cultural environments.

## iii. Technology Literacy

Students use digital technologies to manage, integrate, evaluate and create information, and to apply technology effectively, using it as a tool to research, organize, evaluate and communicate.

Source: https://files.eric.ed.gov/fulltext/ED543032.pdf







Original Research Article

## The application of 21st Century Literacy Skills (ITM) of Andragogy for Numismatics study

Students demonstrate awareness and application of knowledge of ethical/legal issues when using any information related to Numismatics.



**Best Practices:** 

Alex Gitterman, (2004), 'Interactive Andragogy: Principles, Methods, and Skills'

Reischmann, J., (2004), 'Andragogy. History, Meaning, Context, Function'

Chan, S., (2010), 'Applications of Andragogy in Multi-Disciplined Teaching and Learning'

Jim Allen Rolf van der Velden (2012), 'Skills for the 21st century: Implications for education'

Panda, R., (2014), 'Higher Education and Andragogy'

Blackley, S. and Sheffiel, R., (2015),' Digital andragogy: A richer blend of initial teacher education in the 21st century'

Ferreira, D. and Maclea, G., (2017), 'Andragogy in the 21st century: Applying the Assumptions of Adult Learning Online'

Syaifar, B., (2017), 'Application of Concept and Andragogy for Education and Training of Civil Servant'

**Charungkaittiku**, S., (2018),' Applying an Applying an Andragogical Approach to Foster Lifelong Self-Directed Learning in the 21st Century Higher Education Classroom Settings'

Bouchrika, I., (2022), 'The Andragogy Approach: Knowles' Adult Learning Theory Principles'

Mukherjee, L. R., (2022), 'Andragogy in Teaching English for Medical Purpose'

Stauffer, B., (2022), 'what are the 21st century skills?'

## **Conclusion:**

As our world is moving towards globalization. For that 21st century education makes important references to the skills and technologies that will position today's students to succeed in a world that requires more helpful for









NOV – DEC 2022 Original Research Article

critical thinking, courage, persistence, and self-reliance. 21st century education emphasizes creativity, critical thinking, collaboration, cooperation, and communication/interaction, and tremendous advances in information and communication technology make a wealth of information easily available to students at home. There is a need for effective study for the holistic development of students and for this many strategies should be used by teachers. A teacher should have knowledge of various techniques and skills to convey a specific or complex, difficult topic to students. 21st century skills place more emphasis on sharing and using information in an appropriate way. The teacher should be a facilitator and inspirer to study and motivate and empower the students. For that, what skills do every student need in the 21st century? - A) Learning skills- 4Cs- Critical thinking, Creativity, Collaboration and. Communication, B) Life/ Personal skills - i. Flexibility, ii. Leadership, iii. Initiative, iv. Productivity, v. social skills and C) Literacy skills- Information, Media and Technology literacy etc. these skills are very important for the students. Through these skills students learn will be Numismatics and spread our national heritage, Preserve and promotion of our national historical heritage.

#### **References:**

Alex Gitterman, (2004), 'Interactive Andragogy: Principles, Methods, and Skills'

**Blackley, S. and Sheffiel, R., (2015),** 'Digital andragogy: A richer blend of initial teacher education in the 21st century'

Bouchrika, I., (2022), 'The Andragogy Approach: Knowles' Adult Learning Theory Principles'

Chan, S., (2010), 'Applications of Andragogy in Multi-Disciplined Teaching and Learning'

- **Charungkaittiku, S., (2018),**' Applying an Applying an Andragogical Approach to Foster Lifelong Self-Directed Learning in the 21st Century Higher Education Classroom Settings'
- Ferreira, D. and Maclea, G., (2017), 'Andragogy in the 21st century: Applying the Assumptions of Adult Learning Online'

Jim Allen Rolf van der Velden (2012), 'Skills for the 21st century: Implications for education'

- Majali, S., (2020), '*What Is the Difference Between Barter and Currency Systems*?' Retrieved from: https://www.sahelmajaliblog.com/what-is-the-difference-between-barter-and-currency-systems/ 25.7.21, 4.56 p.m.
- Menon, S., (2016), 'Rare and antique coins become new investment as their prices surge', Retrieved from: https://economictimes.indiatimes.com, 24.07.2019, 6:55 a.m.

Mukherjee, L. R., (2022), 'Andragogy in Teaching English for Medical Purpose'

Panda, R., (2014), 'Higher Education and Andragogy'

Reischmann, J., (2004), 'Andragogy. History, Meaning, Context, Function'

Stauffer, B., (2022), 'what are the 21<sup>st</sup> century skills?'

Syaifar, B., (2017), 'Application of Concept and Andragogy for Education and Training of Civil Servant'

Cite This Article:

\* Miss. Afsana Harun Maneri & \*\* Mrs. (Dr.) P.S. Patankar, (2022). 21<sup>st</sup> Century Andragogy Skills for the Numismatics Study, Educreator Research Journal, Volume–IX, Special Issue – I, Nov –Dec 2022, 107-114.

SJIF Impact Factor: 7.717



114