

# An Investment in knowledge pays the Best Interest

## Outline :

### 1. Introduction

Thesis Statement: The recent surge in awareness about the cryptocurrency, advancement in Artificial Intelligence and Quantum Computing, increased focus on children's education in Japan, and with the cyborgs and Robotics on the horizon to mark a significant point in human civilization, it has become fairly clear that investment in knowledge pays the best interest.

### 2. Understanding the title in different contexts

(In social, political and economic context)

### 3. Real-life Examples which Proves that investment in knowledge pays the Best Interest

A. The Rise of Cryptocurrency  
(Bitcoin and Satoshi Nakamoto)

B. Potential of Artificial Intelligence  
(Emotional companion in the form of character.ai)

C. Quantum Computing: The most powerful computer

(Able to solve billions of complex situations at same time)

D. Investment in Children's Education  
(Case Study of Japan's Education System: Children are the future)

E. Books as favourite companion of leading businessmen, tech enthusiasts, and Entrepreneurs

(Napoleon Hill's famous book; Think and grow rich, Robert Kiyosaki's best seller book; Rich Dad Poor Dad)

F. Robotics and Cyborgs: A blessing or a threat to human civilization?

(Yuval Noah Harari; 21 lessons for 21st century)

G. Taiwan's flourishing chip industry and overseas investments

(TSMC's recent investment in Arizona, USA)

H. Control on Private data means control on the world

(MNC's alleged use of private data for the training of AI and advertisement purposes i.e META)

I. Knowledge as a tool for the projection of soft power

(Taiwan's dumpling and its popularity shapes international perception about the region)

4. Recommendations for fruitful investments in the unbridled sources of knowledge

A. Avoiding Speculation and promoting regulation

(over the use of AI and Cryptocurrency)

5. Conclusion

Since the start of human civilization, acquiring knowledge is as important as drinking water, eating food or taking breath. When a child is born, he/she is inherently unaware about the surroundings. It is the culture — material or non-material which teaches a human which he knew not. Then, gradually a child starts to acquire knowledge through his/her culture which helps him/her to become socialized.

The journey to acquire knowledge is a continuous process it starts from birth and continues till death. Knowledge is the biggest distinction between Animals and social beings and through this distinction, humans have been able to surpass any other species in every manner. Therefore, the recent surge in awareness about the crypto currency, advancement in Artificial Intelligence and Quantum Computing, increased focus on children's education in Japan and with the cyborgs and Robotics on the horizon to mark a significant point in human civilization, it has become fairly clear that investment in knowledge pays the best interest.

Knowledge is everything, material or abstract, that man has acquired since it has become conscious. The term, 'An invest in knowledge pays the best interest' can be understood easily in social, political and economic context. In social context, knowledge represents the collective thinking and capability to generate more knowledge based on previous knowledge in a society. If a society is keen about acquiring knowledge, then it can be easily deduced that it is a progressive society. In political context, the knowledge of voters and the candidates says a lot about the future of that nation. A nation where education and investment in knowledge is not a priority is, unfortunately, doomed to fail. For example, Pakistan spends only a fraction of its GDP on education. In economic context, investment in knowledge has proved to be the most fruitful investment with huge returns. For instance, investing large sums in military has never bore good returns. States have always lost billions of dollars. Therefore, investment in knowledge is the only way forward for sustainable development.

Numerous examples can be found around the globe which highlights that investment in science and technology, and education can offer great returns if handled carefully. For example, with the rise in the awareness about cryptocurrency, people are investing billions of dollars to develop its real world use case, because of its potential benefits such as protection against cybercrime, electronic fraud, safe, secure and fast transfer of money. The invention of cryptocurrency, especially, Bitcoin is still obscure. Satoshi Nakamoto - An unknown figure - is attributed as the founder of Bitcoin, who created a strong blockchain with limited supply and just vanished. It was founded in 2010, and it was traded at few cents. In 2024, the market capital of Bitcoin has reached to more than 2.0 Trillion dollars and is trading at around 1,0,3000\$ reaching its all time high on 17<sup>th</sup> Dec, 2024. Bitcoin, and the rest of crypto currency has huge potential to grow as an investment and as a field in economics. Moreover, it can also serve as strategic reserves for a country because of its unmatched returns, as

signalled by Trump Administration. For a country like Pakistan which is surrounded in debt, strategic investment in cryptocurrency can be a life saver.

Apart from cryptocurrency, the Artificial intelligence is also a hot word now-a-days. People use AI chat bots for almost every task they perform in their daily lives i.e from cooking to studying, from chatting with an AI bot to calling to an AI companion, the AI technology has become part and parcel of human life. Its importance can be understood in the words of Google CEO - Sundar Pichai - who said, AI is the single most biggest investment and invention, even bigger than fire or wheel. Just like mobile and then internet became as important as breathing, now Artificial intelligence is going to join it too. Investment in AI is needed more than ever now. Reports show that mobile and internet has socialized people to a great extent but at the same time people have become more lonely than ever. To solve this epidemic of loneliness, an application

called character ai., it built with love to help people talk to their AI companions and enjoy their fantasies with them in virtual world. Therefore, investments in such kind of technology will help businesses acquire more personal data that they ever could in hundred years. As capitalism prevails in world, this personal data can be exploited for huge monetary gains.

If there is any invention which can dwarf all the existing inventions, it is the Quantum computing. Quantum computing is a science which relies on world's most powerful computers - able to solve millions of complex equations in nano-seconds. This kind of speed and power is never seen by humanity before. To give an idea about the potential of this field, scientists say that with quantum computers, the equation of the blackhole can be solved which might open pathways to multiverse. Similarly, the quantum computing can be so strong that it will be able to read the encrypted codes, which



are otherwise impossible. Moreover, speculators also believe that it can be able to hack the invincible blockchain network. The potential of quantum computers gives us a glimpse of our future but this future comes at a cost of investment. Nations with human and financial resources are, once again, going to take lead in this investment opportunity, leaving the developing and underdeveloped behind. In the future, the quantum computers can be potential source of national power.

To understand the complex science behind the powerful tools like AI, cryptocurrency and blockchain and Quantum computers, it is very vital to invest in the basic education of children. Japan - one of the technologically advanced nation - has become a successful example of integrating science and technology into children education. Japanese people pay a lot attention to children's education as they think they are the future of the nation. It is very famously said, The future of a Nation is decided

in a classroom. Unlike Pakistan, Japanese government spend and invest a lot of money in the education sector, contributing to the overall literature of the world. To add more, the recent noble prize winner is also from Japan which reflects seriousness of a nation towards education. Indeed children are the future and hence the best investment opportunity a nation, a parent or a family can get, because, if children grew up to become a respectable member of society and contributes with the knowledge, then it is the highest form of return on investment.

Moreover, history tells us that all the successful people in the world whether businessmen, singers, entrepreneurs, or founders were all great readers. They developed a profound love with reading books. Reading books gives us an opportunity to dig deep in social problems and understand their complexity and eventually come up with a solution. Businesses like Amazon, Alibaba, Ford, META, and X solved a simple problem of the society and society

rewarded them not only with love but also with its hard earned money. Napoleon Hill in his famous book, *Think and Grow Rich*, gives numerous examples of how to become rich and also shares stories of successful people who made big companies reading the book. In simpler words, their investment in a 50\$ book gave them return of millions of dollars in their business. Similarly, Robert Kiyosaki, in his world best seller book; *Rich Dad and Poor Dad*, highlights the importance of financial literacy to become rich over time. Simple financial instruments and a sound strategy can help to gain huge returns. It becomes very clear that investing in knowledge pays the best interest.

If we take a closer look into future technologies, it has become certain that investment in future tech always pays off. But is this the case always? With cyborgs and robotics on the horizon ready to make a huge mark on human civilization, people around the globe are optimistic and pessimist about the future

of Robotics. Yuval Noah Harari, in his book, 21 lessons for the 21<sup>st</sup> century has mentioned about Cyborgs - an updated version of humans both physically and mentally. People debate on the threat of Robots which they can pose on Humanity. Whether, they are blessings or a threat is contestable. But, one thing is certain that Robotics is the future, which will make our life much more easier.

Tesla - a company based in United States - seems to far ahead than any other company, especially in Robotics. Robotics is a field of science which combines engineering, physiology and Artificial intelligence. Once again, the field of Robotics provides a great opportunity for militaries around the world. Future wars are mostly going to rely on Cyborgs - Robot soldiers - which will not only be powerful and efficient but can also save human's loss of life. The countries with financial resources can exploit the opportunity and invest heavily in developing the field of Robotics to get the maximum returns.

To successfully build a robotic Army, one of the most crucial component is semi-conductor chip. Semiconductor chip is used in almost all the electronic devices i.e from mobile phones to military weapons. Very few countries around the world have been able to invest money and time into developing semiconductor chips. At the moment, Taiwan is at the top. Taiwan Semiconductor Manufacturing company or TSMC, has invested billions of dollars into - Arizona, USA - , due to geo-political reasons. Similarly, to train robots and their artificial intelligence, large Multinational Corporations have invested billions of dollars for the collection of personal data of their customer which is often exploited without explicit consent. Finally, it is very appropriately said that, Knowledge is Power. Knowledge is a socially constructed phenomenon which can shape perception and identity. States do invest in their culture to spread knowledge about them to project their soft power. For Example,

Taiwan's special "soup Dumplings" has helped to build image of Taiwan as a separate nation which has the right to self determination. Therefore, investment in knowledge can provide material as well as non-material returns in the future.

Unfortunately, speculation and lack of regulation have been a serious concern of investors when it comes to investment in knowledge and future technologies. Like the crypto market, promises high returns, and is very lucrative for the investors, it has a downside as well.

The cryptomarket is high volatile because whales often manipulate it to their own interest due to lack of regulation by Government. Similarly, reports have shown that people have developed an actual emotional connection with AI companions and in some cases chatbot like Google Gemini has also advised a human to kill himself. Therefore, government should intervene in these relative new spaces and legislate in limited fashion to protect financial assets and data of the consumers. Similarly, Crypto markets should also

be regulated and strict action must be taken against the troublemakers to develop trust on these investment opportunities.

In conclusion, rising prices of Bitcoin, proliferation of AI chatbots and Quantum computers, race to build a Robotic Army and build a monopoly over semiconductor chip and personal data, and investment on children by integrating technology gives enough evidence that investing in knowledge can yield high returns in the long run.

Since the dawn of civilization, acquiring knowledge has remain integral part of our social evolution. From Barter system to fiat currency (Paper Money) and then to cryptocurrency, humans are constantly progressing and evolving. Similarly, once human were amazed and excited at the invention of Calculus - traditional tool of calculation - and now we have reached to point where solving blackhole's complex equation is not a distant reality, thanks to the Quantum Computers. With the ever-growing human intelligence, one

thing that can be deduced with  
certainty is, The only constant is Change