

E LEARNING AND NEURAL NETWORKS

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ABSTRACT

The digital technology is affecting educational media including Multimedia , Learning Management Systems and Hypermedia. Neural Networks and e-learning provides the student and teachers an opportunity to interact with many applications such as video conferencing , lectures on Microsoft teams which supports audio , chat and e white boards. The e universities are now adapting the learning styles of students by linking environment technology in neural networks such as CHAT GPT. The digital data is coded through machine language into graphical design , shapes , facts and figures and presented into human form through artificial neural networks. The 5G network ecosystems presents new technologies of optronics and visual aids in neural networks in teaching. The neural networks learn from human experiences through neuro optical logic and handles large amount of data set. Neural networks make faster decisions in e learning as personalized changes in learning by students to produce results after processing the inputs. The optronics is a new use of data communication by super intelligent machines for 4D imaging in field of tele communication , satellite imagery and mobile phones . The motion optronics will move the world at large from artificial intelligence towards super intelligence by running the new gadgets with supertonics running on smart chips .

 $\textbf{Keywords;} \ neural\ networks, optronics, supertonics\ , tetronics$

INTRODUCTION

The neural networks are part of networking and artificial intelligence in which machine learning program makes decision in a manner similar to human brains by using processes that mimic the way biological neurons work together to identify phenomena, weigh options and arrive at conclusions (IBM, Loudan & Loudan, Pg 40,41, Douglase E . Comer). According to IBM the neural networks are connected nodes with input layers and hidden layers that rely on training data to learn and improve there accuracy of speech recognition, image recognition in minutes rather then human experts like google search algorithm. Furthermore neural networks identify patterns, solve puzzles and adjust to surroundings like NLP natural language programming to automating decisions. The e learning is effected by CO -

LEARNING in neural networks by transforming e mails as spam (1) and filtering decisions as (0) not. According to PRIMICAL the education is constantly evolving as how we learn and understand like "factory style" class room learning as we develop best practices to acquire intellectual maturity and ability to think of ideas by collaborative learning or co-learning. The students learn in groups for better communication and effectively developing critical thinking, reasoning , analysis , creativity , perseverance , problem solving and collaboration. The 21st century challenges of curriculum and learning standards can be integrated with skills to project based learning provides students meaningful insights in talents and display of skills. The self learning as e learning in team learning can provide soft skills

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Like working and communicating with a team. (Andrej Cader, conference paper, AIED 2020). The e learning in use of computers, tablets, mobiles foster creativity in changing world and adapting technologies (invention land). The groups or team learning can generate ideas and concepts with co learning through e mails, texts and phone calls in neural networks. (Rana Khudhair, 2017).

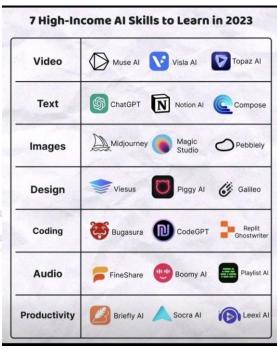
DISSCUSSION

Phonetics has been achieved and is the process of converting optical signals into light form in mobiles chips and electrical appliances for new smart chips will be enabled to conduct optical signals without first converting into electrical form by mobile chips and electrical appliances running on chips (Social Media, print media, Behrouz A. Frouzan, Pg 71). The phonetics will provide more bandwidth and speed as previously we use to convert the incoming optical signals into electrical format by appliances. The optical chips will pave way for electro optical to optical mechanism which will generate optronics in scanning images, photonic sensing (Forouzan, Pg 495). Internet running on photons will generate optical streams and produce the 4D imaging in optronics in mobile and satellite tele communications for educational apps, video lectures and streaming of data in AI will be possible with large speeds and better connectivity(Behrouz A. Forouzan , Multiplexing, Pg 161).

LITERATURE REVIEW

The application of AI within e-learning have created a good interaction between learners in realistic environments and between intelligent agents which in turn perceive changes in simulated environments and communicate the perceived changes between the learners who then make decisions based upon their own perception of environments. If machine can be programmed to display intelligent behavior then these systems can be programmed to act as a teacher (Geffory E Hinton ,1992). The AI was developed in early 1950s and was used in systems for problem solving but with the new age the super intelligence has been developed for machines in chatbots, self driving cars , industries , health care , finance and

The supertonics (Behrouz A Forouzan, Super netting, Pg 554) and tectonics are terabytes of data that a repository or data store can handle through neural networks for artificial networks. The data stores act as transponders for image, text, speech and pattern recognition by AI skills of(video, Muse AI, vista AI, Topaz AI), (Text. Chat GPT, Notion AI, Compose AI), (images, Midjourney, viesus, piggy AI, Galileo), (Coding, Bugasura, code GPT, Replit ghost writer magic studio, pebbley).



education for performing better then humans (Coursera).

Networking and AI with Machine language ML gives way to super intelligence providing IT teams and educationist to identify issues , trends , anomalies and root causes (CISCO). The 5G ecosystem has brought personalized and adaptive learning experiences for individual needs such as Augmented reality AR and Virtual reality VR. The complex concepts can be learned easily and understood with clarity (Mpirical). Furthermore 5G facilities cloud based learning platforms and AI based tutoring systems , offering tailored guidance and support to students while promoting self paced learning and fostering academic growth .

E Learning tools are integrated with 5G dual core MODEM for video based training to adapt to learner needs to evolve with next generation

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technologies has brought global studies and e universitas to impart education irrespective of place and location.

CONCLUSION

Neural networks and e learning have deep implications in networking and AI like student teacher interaction and curriculum development. The students are more inclined in use of smart gadgets and learning collaboratively with group learning. The new technologies are impacting the teaching methodologies and students awareness of trends in the markets and industries . Skills for hands on technologies in psychosocial traits, motion studies and aptitude for future assignments in career goals with the knowledge of industry. The training needs for post studies utilization after the completion of degree or course program enables the vertical growth of students. The state of the art design of e books and relevant teaching material will compare the performance in application of knowledge and skills acquired by the students. Self learning provides in depth knowledge like various fields of cloud networking , Artificial networks, cyber networks and AI. The industries are looking for researchers and innovators for developing future markets by linking knowledge and curriculum in e universities . The banks need to connect with clouds storage in future for shared experiences, AZURE real time connectivity and data base operations for large customers(Loudan ,Ch 6). The stock markets are shaping the Networking with financial hubs for online trading's. The e governance and privacy issues of students in e universities are now in market demands for innovative researches. The future AI networks can compile and make narratives of student e mails, and make syllabus for students as guidance in education systems.

The AI and teacher education will transform the next generation age by MUSE NET and CHAT GPT. The facial recognition and false DALES are

processed by social media, e commerce sites are all together transforming the teachers education in teaching practices.

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