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Life Skills Development and Artificial Intelligence

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Abstract

Artificial Intelligence is the science and technology concerned with creating machines and systems which makes enable the performance of any task. It needs intellectual capacities of human being especially in decision making, data analysis and other processing. Now artificial intelligence has been used in various fields as health, academic, learning, skill development, business, education, entertainment etc. The main goal of AI is to make machines smarter which help human being to use them easy for achieving targets and it has its psychological impact on human behavior and skills also. There are some misconception about working pattern of AI .as the goals of AI is to explain how the brain works. AI researches can contribute in clarifying the concept. AI methods work similar to the brain. Artificial intelligence is a systematic ability which helps in corrections in interpretation of various data to achieve specific goals and completion of tasks through flexible adaptation. An artificial intelligence is a methodology to resolve problems by optimizing various combinations of computer hardware. It is also associated with thinking pattern of human being. Making machines behaving like human being is optimal. so that it may be work like ideal super human. Nevertheless, it is unquestionable that AI has contributed continuously in various fields of development.

Keyword: Artificial Intelligence, Life Skills Development

INTRODUCTION

Artificial Intelligence is the science and technology concerned with creating machines and systems which makes enable the performance of any task.It needs intellectual capacities of human being especially in decision making, data analysis and other processing. Now artificial intelligence has been used in various fields as health, academic, learning, skill development, business, education, entertainment etc. The main goal of AI is to make machines smarter which help human being to use them easy for achieving targets and it has its psychological impact on human behavior and skills also. There are some misconception about working pattern of AI .as the goals of AI is to explain how the brain works. AI researches can contribute in clarifying the concept. AI methods work similar to the brain. Artificial intelligence is a systematic ability which helps in corrections in interpretation of various data to achieve specific goals and completion of tasks through flexible adaptation. An artificial intelligence is a methodology to resolve problems by optimizing various combinations of computer hardware. It is also associated with thinking pattern of human being. Making machines behaving like human being is optimal. so that it may be work like ideal super human. Nevertheless, it is unquestionable that AI has contributed continuously in various fields of development.

A life skill is any such skill which contributes to wellbeing of an individual or society. These are transferable skills that one can use in multiple industries. These skills include things like communication, organization and personal management. These skills help us to interact effectively with others, especially in the society. These skills are learned in the informal settings of everyday living and

involve a variety of cognitive, emotional, physical, social and practical abilities. Life skills, including personal skills, psychosocial competencies, literacy, and numeracy skills are necessary for daily living. They are acquired either through formal education or self-learning. There are many core life skills which includes creative thinking, critical thinking, cooperation self-management, decision making, effective communication, empathy, problem solving, resilience, negotiation etc.

The impact of AI on human skills development and its usage in education and training is recent research area. AI technologies have become more prevalent and influential in various domains of human activity. Life skills are also known as soft skills; non cognitive skill or the prominent term is 21st century skills, also known as abilities, attributes and also include behavioral approaches which enable human being to communicate with others as per need and environment. It also helps in achieving personal and professional goals. Life skills also contrasted with hard skills which are termed as cognitive skills and technical skills. With the help of these skills, knowledge and competencies can be developed and used in academic and personal life. The Partnership for 21st Century Learning framework (2009) identified four categories of human skills which are as follows:

Learning and innovation skills which includes communication, creativity, critical thinking, and collaboration.

Life and career skills which includes social skills, flexibility, initiative, productivity, leadership, and responsibility.

Information, media and technology skills, which includes information literacy, media literacy, and ICT literacy.

Core subjects and interdisciplinary themes, which include traditional academic disciplines, global awareness, civic literacy, health literacy, environmental literacy, etc.

Another framework developed by OECD future of Education and Skills 2030 (2015) also conceptualize various competencies which includes cognitive competencies which talks about foundational literacies as language & numeracy literacy, disciplinary knowledge as mathematics & science, interdisciplinary knowledge as global competence, epistemic knowledge as critical thinking &metacognition, computational thinking as coding & algorithmic thinking. Another competencies are social-emotional competencies which include intrapersonal competencies as self-regulation & resilience, interpersonal competencies as empathy & collaborations, values as respect & responsibility; and third one is concerned with practical approaches i.e. practical competencies which includes physical well-being as health &fitness, digital well-being as digital citizenship & cyber security, financial well-being as financial literacy &entrepreneurship, environmental well-being as environmental literacy & sustainability.

AI is the science and technology which is concerned with machines and systems generation so that human can use it by applying his intelligence as processing with data, decision making etc. Now days, AI has been used wildly for development and advancement in different areas, so that human being need to have skills to accept it, use it and also face challenges associated with it. Life skills containing features of artificial intelligence are a currently required specific skill set of containing different abilities and competencies that enable individuals to learn, make informed decisions and exercise rights to lead a healthy and productive life and to bring necessary changes .It not only promotes mental well-being but also develops competencies to handle various life challenges. With the help of AI, one can learn digital skills, numerical skills, language proficiencies which can be utilized in health sector, education sector, vocational skill development, peace education, environment sector, industrial and management sector, pharmacy and technological areas. It also enables in employment generation and makes life better by decreasing unemployment. With the help of using various skills young generation can be empowered, activeness in social life management can be increased enabling community engagement. Skill development with innovative technological approaches enables the individual to learn new skills, its application, making appropriate deceisions and leading healthy and productive life also. According to World Health Organization, life skills with reference to health orientation, supports positive behavioral approaches and adaptability as per situations. It also balance the demand and supply of skills required in social life and day to day concerns. UNICEF also stated that Life skills development process is to be implemented in various learning areas , especially in four specific dimensions including cognitive, individual, social and instrumental which enables human being in developing connections, interactions, and developing values, attitudes and skills with the help of new initiatives of artificial intelligence . Such competencies development can leads towards

empowerment which makes strategic resource management and provides supportive opportunities to young generation learners. Resources and supportive opportunities will develop life skills which multiplied with advocacy, enabling environment and system support will lead to learning and empowerment of young generation learners. Learners require effective pedagogical strategies with changed perspective and inclusion of artificial intelligence components, learner centric strategies, teacher support as facilitator, enriched learning material and appropriate environment. It also requires the age and learning objectives appropriate learning materials to support the pedagogies. Enabling environments where all learners can participate and feel physically, socially and emotionally safe. Teacher training institutions provide training to teacher trainees in using these skills in the classroom settings. It will help them to be learner centric and play their role as mentor for future skill learning. Life skills can be can be delivered both in non-formal and informal settings. By conducting awareness programmes, workshops, training schedules, including activities in curriculum, partnership framework and supportive environment, it can be done in easiest way. Governments are also providing supplement materials, activity manuals for access and deliver quality life skills in students which everyone has to follow. Community need based structure can be developed and appropriate environment can be provided for life skill development. Social support and knowledge societal structure can be modified through educational processes. The enhanced social cohesion can be further developed with the help of civic engagement. In daily routine life, various skills as empowerment, citizenship skills, learning skills and skills for employability, decision making skills, social skills, self-awareness, communication, critical thinking, and problem solving skill, resilience and empathy are also relevant and needed to develop among students. Through creativity novel ideas, products, or solutions can be generated that can enhance the performance and innovation of human being using artificial intelligence systems, enables to deal with uncertainty and complexity of the future. It can be used for AI development and in different processes as identification of problem, collection of data, designing different models, evaluation, assessment, creation of new domains of learning, expressing thoughts and emotions, values enhancement and future orientation. With developing critical thinking skills, analysis, evaluation, synthesis, using received information properly, assessing situations, logical thinking can be enhanced. Communication skills facilitate collaboration and coordination of AI system supports in explanation skills,

feedback orientation, instructional presentations, interactions and sharing experiences etc. Collaborations develop new connections, productivity and innovations, strength, team formation, behavior modification and networking. All these also contains challenges as human centric skills and AI both have different approaches which needs a holistic,systematic and technical support system including all stakeholders such as learners, educators, employers, policymakers and researchers. It is difficult to measure skills after its orientation and development with reference to pre-decided goals and objectives. All these require collaborations and cooperation. With artificial intelligence support system ,problems can be resolved, new frameworks can be framed, innovative pedagogical methods and technologies can be applied and practical training programmes can be developed and applied to achieve specific objectives. Classroom discussions as an activity, providing opportunities for students to learn and practice turning to one another in problem solving and develops skills, in listening, assertiveness, and empathy. Another one is brainstorming that allows students to generate innovative vision and spontaneously by using creative and imaginative out of box ideas. Role play can be applied as active fun activity which brings out excellent energy and develops insight learning .Group interaction develops communication skills and team building .Educational games promotes fun and active learning by combining knowledge and skills and helps in mental health orientation. Transparency, accountability of process, individual differences, cultural background, social settings, and diversity and inclusion issues can be resolved with the help of appropriate guidelines, feedback, and changed mindset. In the era of artificial intelligence, various changes in trends, preferences and environment are seen which also put impact of demands, methods, technologies and skills created in artificial intelligence driven environment. Data analysis, visualizations, system design, decision making, leadership, communication, collaborations, interpersonal relationships , team work, continuous learning, competencies development, and problem solving skills are essential for understanding, adapting, and innovating in the AI-driven world, creating cultural environment, and organizational functioning.

CONCLUSION

For better collaborations of AI driven methodologies and life skills, combined efforts by all stakeholders are needed. Resources can be generated for research and innovations. New framework and polices can be developed for its implementations. Facilities and resources can be

provided for skill development and its practices in educational and professional settings. Relevant knowledge, competencies, and values can be developed in learners as per the future requirements. Educators must be trained to teach and learn with AI by focusing on future needs and also integrate it into the curriculum components to support and enrich human-AI collaboration and learning. Using AI domains in leaning contexts can provide new visions to learners. New Frameworks can be developed with practical approach of life skill development which will helpful for all stakeholders.

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