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Safe Use of AI in Education

The First-Ever AI Ethical Principles Developed

☐ The Ministry of Education announced its first-ever set of ethical principles for the use of AI in education on August 11, 2022. "The Ethical Principles of AI in Education" aims to encourage the safe and ethical use of AI in the field of education as well as creation of a safe development by industries and educational stakeholders.

○ After unveiling its draft in January, it was screened by experts through public hearings and being circulated internationally to gather feedback. It contains principles that both educational and industrial sectors should stick to as well as action plans.

○ In particular, the principle is meaningful in that it lays out a set of guidelines for the development and use of AI based on the premise of "AI that supports human growth."

☐ With the rapid technological advancement in the field of AI, concerns were raised over ethical issues, which prompted global movement to develop preventative code of conduct on ethics in an autonomous manner.

○ The Korean Government also has made a recommendation on the use of AI in various fields by developing the AI Ethical Standards (Dec. 2020).

○ Meanwhile, in November 2021, UNESCO came up with its recommendations for AI in education to highlight the importance of strict management of the use of AI.

□ "The Ethical Principles of AI in Education" proposes the following ten sub-principles under the premise of "AI that supports human growth. "

< Outline of the Ethical Principles of AI in Education >

- **Target audience:** All administrative agencies using AI that support educational institutions and educational activities
- **Responsible parties:** Consumers and stakeholders of education (e.g. users, developers, administrators)
- **Characteristics:** A set of moral and autonomous regulations promoting voluntary actions and compliance.
- **Premise:** AI that supports human growth
- **Ten sub-principles:** Artificial intelligence (AI) in education should:

1. help unlock potential for human growth.
2. guarantee initiative and diversity of learners.
3. respect the expertise of teachers.
4. maintain strong relations between education stakeholders.
5. guarantee equitable educational opportunity and fairness.
6. strengthen solidarity and collaboration of educational communities.
7. contribute to the advancement of social values.
8. guarantee the safety of education consumers.
9. guarantee that data is processed in transparent and explainable ways.
10. use data fit for purpose and protect its privacy.

□ The Ministry of Education plans to put the AI ethical principles into practice by referring it to AI ethics education and teacher training programs, while using it as a guideline when collaborating with edu-tech

companies and in promoting relevant research.

○ In addition, in consideration of the development of AI technology and its use on the ground, the principles will be reviewed regularly to ensure its validity.

□ Deputy Minister Oh Seok-hwan said, "As the impact of AI on both cognitive and emotional skills of future generations can be huge, the Ministry of Education will continue to closely communicate with the educational and industrial communities to strike a balance between AI development and its safe use."

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