Teachers and Role of Artificial Intelligence in Education

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Abstract: *Over the past decade, there has been a tremendous change in teaching and learning methods. Traditional methods of teaching are now modified to blended teaching methods. These methods are combination of traditional and technology-supported to cater to the changing needs of students.*

Teachers have access to a wide range of resources on the internet in the form of reference books, question papers, PDF notes, web-links for videos, quizzes, etc. These can be used in class or shared with the students. With the launch of 'Artificial Intelligence' the scope of learning has broadened. A few popular examples of AI among the masses are Alexa, Siri, Rufus, etc. These apps provide the resources or results as per the needs of the user.

In this paper, we conducted a survey to study the integration of AI in classroom teaching, its benefits, uses and challenges faced by teachers in its application for which, teachers from different disciplines participated. We observed that all teachers participating in the survey were familiar with AI applications. They learned about AI through workshops, conferences, peer sharing, etc. Majority of teachers use virtual teaching assistant application for research. It also facilitates in the process of planning the curriculum, to cater to the needs of the students, engaging activities for the students, etc. It helped them to develop interesting and engaging teaching methods for students arousing curiosity and scientific aptitude among young minds.

Keywords: Artificial Intelligence, benefits, challenges, virtual, traditional, etc

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