

Artificial Intelligence Step Up Modules to School Students

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Niti Aayog's Atal Innovation Mission (AIM) in collaboration with IT industry body Nasscom launched an artificial intelligence-based module for school students to empower the youngest minds and drive innovations in the country to the next level.

Artificial Intelligence Step Up Modules

The AIM is a flagship initiative set up by the Niti Aayog to promote innovation and entrepreneurship in the country, based on a detailed study and deliberations on innovation and entrepreneurial needs of India in the years ahead. This module is the next step in bringing artificial intelligence (AI) to Indian classrooms and is a successor to the AI base module launched earlier this year.

The 'AI Step-up Module' provides a comprehensive set of 'learn it yourself' advanced modules to those who wish to expand their knowledge base after becoming familiar with the basics of the AI discipline through the AI base module. The module is designed in an attractive graphical manner that is comprehensible for all students belonging to rural and urban areas.

The rapid advancement of technology, such as AI and robotics, has penetrated all industries, including education. **The module is a directed step by the government in building citizens and a workforce that is aware of AI and can work with AI.** With this new launch, through hands-on projects and activities, the step-up module **encourages a deeper understanding of AI which can be applied in the real world.** Meanwhile, the step-up module needs no previous knowledge and introduces the concepts to students from the basics using interactive tools and

activities so as to keep their attention undivided. Moreover, the objective of this module is to **challenge students and create opportunities in the coming years making students the change makers and torch bearers of innovation.**

The base module was specifically **devised considering students as young as 12 years of age, with absolutely no prior background of AI to ignite curiosity on AI in their young minds** and to contribute to the ecosystem of innovation. Step up module has been exquisitely designed and presented to involve young students across the country to induce inclusive learning and to empower youngsters of the country to create AI integrated innovations.

With the aim of introduction of digital literacy, coding, and computational thinking, these modules can empower young people to meaningfully interact with AI-based technologies and bolster learning. Skills such as logical thinking, critical thinking and problem-solving skills are going to be the most important skills for success in professional life in the coming decade.