

GOVERNMENT OF INDIA
MINISTRY OF EDUCATION
DEPARTMENT OF HIGHER EDUCATION
RAJYA SABHA
UNSTARRED QUESTION NO-975
ANSWERED ON - 31/07/2024

GAP BETWEEN DIFFERENT MEDIUMS OF INSTRUCTIONS

975 Shri K.R.Suresh Reddy :

Will the Minister of EDUCATION be pleased to state:

- (a) whether Government has taken adequate steps to expand access to education and bridge the gap between different mediums of instruction in the Indian educational landscape;
- (b) if so, the details thereof;
- (c) if not, the reasons therefor;
- (d) whether Government is cognizant that Generative Pretrained Transformer (GPT) can assist students in grasping concepts faster and more effectively; and
- (e) if so, the details of the steps taken by Government to integrate GPT into the country's education system so that GPT can also generate reports on students' performance that could help them secure grants and other funding opportunities?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF EDUCATION

(DR. SUKANTA MAJUMDAR)

(a) to (c) : The National Education Policy, 2020 lays lot of stress on promoting multilingualism and making efforts to keep Indian languages vibrant. NEP provides, wherever possible, for medium of instruction to be in the home language/ mother tongue/ local language/ regional language upto at least class 5 and preferably upto class 8. The policy also provides for making available high quality text books in home language/ mother tongue and encouraging teachers to use bilingual approach while teaching. In order to achieve this objective the Government is integrating multilingualism at school and higher education levels by providing reading materials in Indian languages so that students have the choice to study in their mother

tongue/local language. NEP-2020 places strong emphasis leveraging technology for

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strengthening various facets of education including preserving and promoting the nation's diverse linguistic heritage/diversity. For leveraging technology for Bharatiya Bhashas, National Council of Educational Research and Training (NCERT) is running a Bhasha Sangam programme as also a Machine Translation Cell which is translating various books into the scheduled languages. Course material including text books and teaching resource are available on Digital Infrastructure for Knowledge Sharing (DIKSHA) portal in 33 Indian Languages. In order to further facilitate education through Indian languages, Central Board of Secondary Education (CBSE) has also asked its affiliated schools to consider using Indian languages, as enumerated in the Schedule 8 of the Indian Constitution, as the medium of instruction from Foundational state till end of Secondary stage i.e. from pre-primary classes till class XII as an optional medium in addition to other existing options. All India Council for Technical Education (AICTE) and University Grants Commission (UGC) have leveraged Anuvadini App to translate books for Under Graduate and Post Graduate courses and Technical books like engineering and law in multiple Indian languages. The translated books are available on e-KUMBH portal. National Eligibility cum Entrance Test (NEET) has been conducted in 13 languages. Joint Entrance Exam (JEE) is now conducted in 13 languages. Technical education is being imparted in certain AICTE approved institutions in 8 regional languages.

Ministry of Electronics and Information Technology (MEITY) has launched Mission Digital India Bhashini in the year 2022 to develop core language technologies for speech and text translation for 22 Scheduled Indian languages in the open source. The Bhashini open Application Programming Interface (APIs) for language translation in text and voice have been listed on API Setu (<https://apisetu.gov.in>). Bhashini APIs are available for anyone to integrate with any application.

(d) & (e) : Generative Pretrained Transformer (GPT) is an emerging technology and refer to algorithms capable of generating various types of content such as audio,

code, images, text, simulations and videos. AICTE also developed an AI based translation tool “Anuvadini” to provide content in all Bharatiya languages and Anuvadini tool can be viewed to provide excellence content in Indian languages. Initiatives such as APAAR id (Automated Permanent Academic Account Registry) for

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all students, Academic Bank of Credits, SWAYAM (Study Webs of Active Learning for Young Aspiring Minds) courses, Vidya Samiksha Kendra, Internship and Apprenticeship portals for not only facilitating students but also to evaluate learning outcomes are in place.
