

GOVERNMENT OF INDIA

MINISTRY OF AYUSH

RAJYA SABHA

UNSTARRED QUESTION NO. 805

TO BE ANSWERED ON 3<sup>rd</sup> DECEMBER, 2024

AYURGYAN Scheme

805 # Shri Baburam Nishad:

Will the Minister of Ayush be pleased to state:

- (a) the aims and objectives of the AYURGYAN scheme and whether it contributes to the capacity building in the AYUSH healthcare sector, if so, the details thereof; and
- (b) whether the scheme promotes research and innovation in the discovery and development of new drugs, treatments, and practices within the AYUSH system of medicine, if so, the details thereof?

ANSWER

THE MINISTER OF STATE (IC) OF THE MINISTRY OF AYUSH

(SHRI PRATAPRAO JADHAV)

(a) The Ministry of Ayush is implementing a Central Sector Scheme namely AYURGYAN since 2021-22 with the aim to support Research & Innovation in Ayush through Extra Mural Research activities and Education by providing academic activities, training, Capacity Building etc.

The Scheme has three components viz. (i) Capacity Building & Continuing Medical Education (CME) in Ayush (ii) Research & Innovation in AYUSH and (iii) Ayurveda Biology Integrated Health Research has been added under the scheme from the year 2023-24 as 3<sup>rd</sup> component. The aims and objectives of the Scheme are enclosed at Annexure. The detailed guidelines of the Scheme is available on the website of Ministry of Ayush (<https://ngo.ayush.gov.in/ayurgyan>).

The CME program contributes in Ayush healthcare sector by upgrading the professional knowledge of AYUSH Personnel. Under Capacity Building & Continuing Medical Education (CME) in Ayush component 186 training programmes were supported for capacity building of AYUSH personnel.

(b) Yes. Under Research & Innovation in Ayush and Ayurveda Biology Integrated Health Research component of Ayurgyan Scheme, 30 research projects were supported since inception of the scheme which promotes research and innovation in the discovery and development of new drugs, treatments, and practices within the AYUSH system of medicine.

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**Aims of Objectives of all three components of the Ayurgyan Scheme are as under: -****(A) Capacity Building & Continuing Medical Education (CME) in Ayush**

- i. To create, enhance and develop constituent's capacity at country level in the AYUSH health care sector.
- ii. To improve health practices through AYUSH which are sustainable.
- iii. To encourage AYUSH professionals to undergo need-based professional orientation and professional skill development in an organized manner.
- iv. To update the professional knowledge of teachers and doctors to adopt good teaching practices and good clinical practices respectively.
- v. To encourage the use of Information technology and web-based education programmes for widespread dissemination of AYUSH developments and updates.
- vi. To train doctors in emerging trends of healthcare and scientific outcomes for keeping up the standards to health care delivery.
- vii. To provide information to doctors on professional journals to keep them professionally updated. AYUSH-CME Guidelines.
- viii. To encourage AYUSH paramedics and health workers to undergo periodical training for improving healthcare services in hospitals and dispensaries.
- ix. To arrange need-based management training programmes to administrators of AYUSH institutions and hospitals on health aspects for delivering quality services.
- x. To update regarding current trends in R & D activities for development of AYUSH systems and highlight the areas of research and avenues for collaborative activities.
- xi. To apprise regarding new Acts/Notifications and other information addressing regulatory issues in AYUSH systems etc.
- xii. To Standardize/validate and develop scientific evidence for AYUSH's research and Education;
- xiii. To make scientific exploration of AYUSH system with interdisciplinary approaches; to achieve need-based outcome in priority areas;

**(B) Research & Innovation in AYUSH**

- i. Development of Research and Development (R & D) based AYUSH Drugs for prioritized diseases;
- ii. To generate data on safety, standardization and quality control for AYUSH products and practices;
- iii. To develop evidence-based support on the efficacy of AYUSH drugs and therapies;

- iv. To encourage research on classical texts and investigate fundamental principles of AYUSH Systems;
- v. To generate data on heavy metals, pesticide residues, microbial load, safety/toxicity etc. in the raw drugs and finished Ayurveda, Siddha, Unani and Homoeopathy drugs;
- vi. To develop AYUSH products having Intellectual Property Rights (IPR) potential for increasing AYUSH exports
- vii. To develop the potential Human Resource in AYUSH systems, especially to inculcate scientific aptitude and expertise relating to AYUSH systems;
- viii. To develop joint research venture among the AYUSH Department and other Organizations/Institutes

### **(C) Ayurveda Biology Integrated Health Research**

- i. To strengthen and advance the ongoing Ayurveda biology research by mean of following objectives:
  - a. To develop a sustainable platform in field of Ayurveda Biology meant for the basic understanding of the principles, procedures and products of Ayurveda in terms of modern sciences such as Molecular Biology, pharmacology, Immunology, biotechnology, bioinformatics, Chemistry etc.
  - b. Trans-disciplinary approach for understanding the pharmacokinetics and pharmacodynamics of Ayurveda Drugs and validating the bimolecular pathways and effects of Ayurveda Drugs.
- ii. To create an ecosystem of integrative health research for the convergence of evidence-based elements within Ayush systems in sync with biomedicine, bio-technology, biophysics, nano-technology, advances in IT and such other advanced technologies for pragmatic integrative health practice by doing the following:
  - a. To support high end integrative research with translational value for translation of Ayush based leads into public health.
  - b. Generation of molecular, clinical and real-world evidences to demonstrate safety, efficacy of Ayush interventions by synthesis of observations from diverse settings and develop protocols for tangible integrative practice.
  - c. To promote competitive technology development in the field of devices and diagnostic tools with eminent institutions who have shared interest in Ayush, Bio-medical engineering, Ayur-tech and integrative biology.