

**GOVERNMENT OF INDIA  
MINISTRY OF HUMAN RESOURCE DEVELOPMENT  
DEPARTMENT OF HIGHER EDUCATION**

**LOK SABHA  
STARRED QUESTION NO. 189  
TO BE ANSWERED ON 24.12.2018**

**Technical and Health Education**

†\*189. **SHRI SUSHIL KUMAR SINGH:**

**Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:**

- (a) whether the Government has taken note of the increasing demand for skilled manpower in the country and taken various effective steps to expand technical and health education;
- (b) if so, whether the aircraft maintenance and several other courses are proposed to be started in the Universities and if so, the details thereof;
- (c) whether the University Grants Commission has received permission in this regard from the Directorate General of Civil Aviation;
- (d) if so, whether the Government proposes to give employment to such trained youth and also start courses related to technical specialists like food safety/lab technician etc. in medical field at the University level; and
- (e) if so, the details thereof?

**ANSWER**

**MINISTER OF HUMAN RESOURCE DEVELOPMENT  
(SH. PRAKASH JAVADEKAR)**

(a) to (e): A statement is laid on the Table of the House.

**STATEMENT AS REFERRED TO IN REPLY TO PART (a) TO (e) OF LOK SABHA STARRED QUESTION NO. 189 TO BE ANSWERED ON 24.12.2018 ASKED BY SUSHIL KUMAR SINGH REGARDING TECHNICAL AND HEALTH EDUCATION**

(a): Yes, Madam. Pursuant to demand of skilled manpower in the country, the All India Council for Technical Education (AICTE) has developed outcome based Model Curriculum for Under Graduate (UG) and Post Graduate (PG) Programme in Engineering. The focus of curriculum for Engineering Courses is on advanced study of specialization through core subjects, flexible and diverse program specific electives, open electives to widen skills, collaborating and interactive learning to ensure talent development. In addition to it, AICTE is also imparting skill sets to students through Pradhan Mantri Kaushal Vikas Yojana (PMKVY-TI), National Employability Enhancement Mission (NEEM) and Employability Enhancement Training Programme (EETP).

AICTE is also implementing an action plan for enhancing the employability of students. The plan focuses on Induction training, Mandatory internships, Industry readiness and Promoting innovation/ start-ups for aligning the skills of students with industry.

With a view to improve the standards of technical know-how and knowledge of engineering professionals who are graduating from various colleges to enable them to compete at the global level, the following package of measures have been approved by the AICTE:

- i. Perspective plan for Technical Education
- ii. Introduction of Induction programme for engineering students
- iii. Revision of curriculum
- iv. Mandatory internships
- v. Industry readiness by imparting technical and soft skills
- vi. Promoting innovation/ start-ups
- vii. Exam reforms
- viii. Training of teachers
- ix. Mandatory Accreditation.

Further, the University Grants Commission (UGC) had constituted a committee of experts to look into the possibility of designing curricular structure for a bachelor level degree program in the area of Aeronautics. UGC has also requested the Higher Educational Institutions to adopt curriculum for Masters in Public Health (MPH) prepared by the Ministry of Health and Family Welfare.

The Government is implementing a Centrally Sponsored Scheme for establishment of new medical colleges attached with district/referral hospitals in 82 districts in under-served areas in the country. 22 such colleges have become functional. There are other Centrally Sponsored Schemes for increasing UG and PG seats in existing Government medical colleges. To increase the availability of faculty and specialist doctors in the country, one time increase in PG seats was permitted after the revision of teacher student ratio. Minimum

Standard requirements (MSRs) for medical colleges including requirement of land, faculty, staff and other infrastructure has been rationalized to facilitating setting up of new colleges.

(b) & (c): The University Grants Commission (UGC) has designed curricular structure for bachelor-level degree program in Aircraft Maintenance as a way of encouraging universities to come forward and offer this program on their campuses under Choice-based Credit System (CBCS) introduced by UGC. The syllabus is available on the UGC website [www.ugc.ac.in](http://www.ugc.ac.in) for implementation by all the Higher Education Institutes. However the universities were requested to obtain the approve of the Directorate General of Civil Aviation (DGCA) before adopting the syllabi as DGCA is a statutory body responsible for laying down standards and regulation for air safety and airworthiness standards. It is mandatory for all the universities to display the certificate of approval on their websites for information and awareness of the students seeking enrolment in the course.

Further, a Committee has been constituted to design the template of syllabus of this course to design a standard template of this course as per CBCS guidelines under the Chairmanship of Deputy Director, Directorate General of Civil Aviation.

(d) & (e): As per the AICTE Approval Process Handbook 2018-19, the Council *inter-alia* provides approval for the courses related to Food Processing & Preservation, Food Processing Technology and Food Technology. The Food Safety and Standards Authority of India (FSSAI) , an statutory body under Food Safety and Standards act, 2006 provides internship opportunities to the students from streams e.g. Food Technology, Life Sciences etc. on the topics such as food standards/ regulations/ quality assurance/food fortification etc.. Further, Indian Council of Medical Research, under the Ministry of Health and Family Welfare recruits eligible candidates for the post of lab technicians to different laboratories located in different parts of the country.

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