



TECHNICAL EDUCATION IN INDIA

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2 INTRODUCTION

- Technical education, the academic and vocational preparation of students for jobs involving applied science and modern technology. Technical education has as its objectives the preparation of graduates for occupations that are classed above the skilled crafts but below the scientific or engineering professions
- In UK, the Technical education is typically offered in post-high-school curricula that are two years in length, are not designed to lead to a bachelor's degree, and are offered in a wide variety of institutions, such as technical institutes, junior colleges, vocational schools, and regular colleges and universities.
- Medical colleges engineering colleges, Polytechnique colleges, Nursing, paramedical and pharmacy instituters, IITs, IIMs, NIITS, ITIs, Vocational institutes, Fashion technology and Architecture institutes, Law and Mass communication etc. institutes are included in it.

3 EVOLUTION

- The beginning of formal technical education in India can be dated back to the mid-19th century. Major policy initiatives in the pre-independence period included the appointment of the Indian Universities Commission in 1902, issue of the Indian Education Policy Resolution in 1904, and the Governor General's policy statement of 1913 stressing the importance of technical education, the establishment of IISc in Bangalore, Institute for Sugar, Textile & Leather Technology in Kanpur, N.C.E. in Bengal in 1905, and industrial schools in several province.
- All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level apex advisory body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner. And to ensure the same, as stipulated in the National Policy of Education (1986), AICTE was vested with some specific tasks.

4 TECHNICAL EDUCATION IN INDIA

- The Technical Courses in India became significant with the establishment of the All India Council for Technical Education and today the Council conducts a long list of Technical Courses in India. Most of the Technical Courses in India are conducted in the Technical Institutes in India. The vocational education offered by the various technical and polytechnic institutions include variety of courses that include degrees, diplomas and post-diploma vocational education in both technical and non-technical disciplines.
- Education in most of the Technical Courses in India is imparted with the sole objective of enabling the student with the necessary vocational skills that would help the student to embark on a profession in life. And that is why there are technical schools and institutes that conduct Certificate courses for students who want to acquire a skill so that they are enabled to enter a profession quite early in life.

5 CONTD.-

- These Institutes known as the Industrial Training Institutes conduct training in various skills that are essential for jobs in the various industries. Skills like electrification process, welding, lathe operations, heavy machinery operations and many others depending on the industry. The skills learned are either generic or industry specific. These ITI trained young people can take up jobs immediately after their completion of the courses. Today it is even possible to get jobs easily after training at the ITIs as there is an unprecedented growth in industries, especially in India.
- The demand for skilled professionals is so high that today some Technical Courses in India conduct degree courses in vocational training like degree and diploma courses in Catering Management, Home Science, and many similar courses. Another very effective and beneficial trend is the introduction of courses related to various fields in engineering and agriculture. Tool making is a highly preferred course taken up as a vocational training. Some of the rare and newly introduced Technical Courses in India include.

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- **Beauty Industry:** Certifications courses, Diploma and Degree courses in Beauty Culture, Cosmetology, Hair Dressing, and Beautician courses.
- **Entertainment Industry:** Lighting Techniques, Photography, Stage lighting, Painting , Art Decoration.
- **Food Industry:** Baking techniques, food processing and preservation, Food production, Food Canning and related disciplines are the other Technical Courses in India.
- **Auto Industry:** Auto mechanism, Auto Wheel threading and related subjects of study.
- **Other industries** include Garment industry, Hotel industry and Airline industry in which there is a great demand for people who are highly skilled in different vocations.

Source-www.indiacollegehubs.com

7 SOME COURSES

- BE/B.Tech- Bachelor of Technology
- B.Arch- Bachelor of Architecture
- BCA- Bachelor of Computer Applications
- B.Sc.- Information Technology
- B.Sc- Nursing
- BPharma- Bachelor of Pharmacy
- B.Sc- Interior Design
- BDS- Bachelor of Dental Surgery
- Animation, Graphics and Multimedia
- B.Sc. – Nutrition & Dietetics
- BPT- Bachelor of Physiotherapy
- B.Sc- Applied Geology

8 CONTD.

- Bachelor of Science (BSc Hospitality and Hotel Administration)
- Master of Science (MSc Hospital Administration)
- PG Diploma Accommodation Operation Management
- Certification Food Production (CFP)
- Craftsmanship Course in Food & Beverage Service
- Bachelor of Management Studies (BMS)
- Master of Business Administration (MBA)
- Master of Business Administration (MBA Executive)
- Master of International Business (MIB)
- Master of Management Studies (MMS)

9 CONTD.-

- Diploma Business Management (DBM)
- Diploma Import / export management (DIEM)
- Diploma Graduate Diploma in Management (DGDM)
- Master of Business Administration (MBA Executive)
- Master of Business Administration (MBA International Business)
- Master of Arts (MA Mass Communication and Journalism)
- Post Graduate Diploma In Mass Communication, Advertising & Journalism
- Bachelor of Arts (BA Journalism)
- Bachelor of Arts (BA Mass Communication)
- Post Graduate Diploma in Public Relations

10 CONTD.-

- Medical, Nursing, Para medical, Law, Architecture, Engineering, Fashion technology, Media related courses, Information technology courses, Safety and fire services, Aviation courses, Animal husbandry courses, Hospitality, food and tourism courses, Maritime courses, Trade, business, market and commodity, Insurance and accounting etc. courses are included in it.
- Above mentioned course are some examples only, not the exhaustive list.