



Zagdu Singh Charitable Trust's (Regd.)

# THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous College Affiliated to University of Mumbai,  
Approved by All India Council for Technical Education(AICTE),  
Govt. of Maharashtra(GoM)

website: [www.tcetmumbai.in](http://www.tcetmumbai.in)

## Information Brochure

**B. Voc**

# Artificial Intelligence and Data Science

*Designed for Employability*

Duration: 3 Years

Starting from A.Y. 2021-22

### Why B. Voc.

- More Practical, less Theory
- Become Entrepreneur
- Earn while, You Learn
- Run Startup at Early Age

### Selection Procedure

Based on the merit

### Eligibility Criteria

10+2/ HSC or equivalent  
from any recognized board  
in Science, Commerce and  
Arts Streams.

A - Block, Thakur Educational Campus, Shyamnarayan Thakur Marg, Thakur Village, Kandivali (East), Mumbai - 400 101

Tel.: 022-6730 8000 / 8106 / 8107 Telefax: 022-2846 1890

Email: [tcet@thakureducation.org](mailto:tcet@thakureducation.org) • Website: [www.tcetmumbai.in](http://www.tcetmumbai.in) [www.thakureducation.org](http://www.thakureducation.org)



## About TCET

The Thakur College of Engineering & Technology (TCET), a Graded Autonomous Linguistic Minority Institute was established in AY 2001-02 with a clear objective of providing Quality Technical Education in tune with international standards and contemporary global requirements. TCET offers 11 UG, 3 PG and 3 Ph.D. (Tech.) programmes. Besides TCET has started to offer B.Voc. in Artificial Intelligence and Data Science w.e.f. A.Y. 2021-22. TCET is ISO 9001:2015 certified Institute. Certification has helped Institute to develop a process-driven-student-centric system required for quality education in 21<sup>st</sup> century. As a result Institute is accredited by NAAC with "A" grade for five years and programmes are accredited by NBA for three Years. TCET has always been known for its unique journey of deciphering and deploying the innovative approaches in academics. The institute also takes initiatives in implementing the innovative academic and technology endeavours in align with the directives of statutory and regulatory bodies.

### B. Voc. Programme: (Bachelor of Vocational Studies)

The Vocational Educational Programme mainly focuses on job specific skills rather than the Broad based Education. The main objective of this programme is to enable the students to acquire skills and learn the fundamental technologies by engaging in on the job training of the industry along with the theory in academic serene.

The Vocational Course Programme is a three year programme and is a combination of Practical and Theory courses. The three year programme is a 6 semester programme with 2 semesters each year.

### NSQF: (National Skills Qualification Framework )

The National Skills Qualification Framework (NSQF) is a quality assurance framework. It is therefore a nationally integrated education and competency based skill framework that will provide for multiple pathways, horizontal as well as vertical, both within vocational education and vocational training and among vocational education, vocational training, general education and technical education, thus linking one level of learning to another higher level. This will enable a person to acquire desired competency levels, transit to the job market and, at an opportune time, return for acquiring additional skills to further upgrade their competencies.

### SSCs: (Sector Skills Councils )

Sector Skill Councils are industry led national partnership organizations that will bring together all the stakeholders from their respective sectors. Based on the needs of the industries in concerned sector, the SSCs are developing the NOSs and QPs for the various job roles in their sectors and they will align the same to appropriate levels of the NSQF. They will work to supplement the existing vocational training and education system for the Industry Sector in meeting the entire value chain's requirements of appropriately trained manpower in quantity and quality across all levels on a sustained and evolving basis. The Sector Skill Councils shall be licensed and regulated by the National Skills Qualification Committee.



## Multiple Entry/ Exit Options

Award	Duration	NSQF Level
1. Diploma	1 Year	5
2. Advance Diploma	2 Years	6
3. B.Voc. Degree	3 Years	7

## Eligibility

- HSC or equivalent from any recognized board. (Science, Commerce and Arts Stream)
- There is no age bar for admission in B.Voc under NSQF

## Conduct of Classes and Credits

The curriculum in each of the semester/years of the programme(s) will be a suitable mix of general education and skill development components. The General Education Component shall have 40% of the The teaching/ trainings under the scheme leading to Certificate/ Diploma / B.Voc degree or Masters programme are full time degree courses. These are not conducted as an add-on programme. While formulating the curriculum under the scheme, institutions will ensure to follow choice based credit system and will provide provisions for credit transfer across the courses. The credit distribution should be rationally provided for the practical work, apprenticeships, on-job training and project work.

The class room infrastructure and conduct of classes will be done by the Institute. The Training Partner will be either approved by AICTE or National Skill Development Corporation (NSDC) or by Government Agencies. The Training Partner will impart the skill based education to the students. The Programme has been approved by AICTE after NoC from Mumbai University.

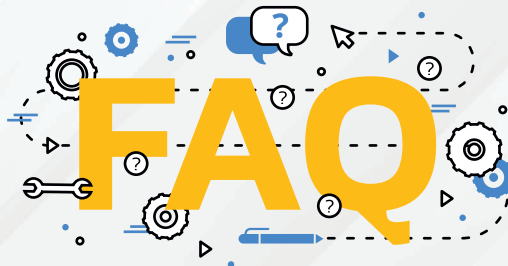
## Why B.Voc is Beneficial to Students

- This scheme focusses on skills development based higher education as part of the Institute, leading to Bachelor of Vocation (B.Voc) Degree with exists such as Diploma and Advance Diploma under the NSQF.
- Graduates completing B.Voc will make a meaningful participation in accelerating India's economy by gaining appropriate employment, becoming entrepreneurs and creating appropriate knowledge.
- Provides immediate and definite interventions to improve the lives of the disadvantaged and marginalized youth through appropriate vocational training programs.
- Practical training will be provided by approved SKPs which is based specifically on a defined learning outcome.
- Certification for a trainee enrolled as student will bring in more reputation and increase the work standards.

## Why should a Aspiring student choose B.Voc Course



B.Voc (Bachelor of Vocational Degree) courses are available in several fields for students who have completed their 12th standard or equivalent. This is largely targeted towards youth who want to enhance their employability opportunities to learn, earn and grow. The advantage of these courses is that as against common Degree courses like Engineering or B.Com or B.Sc, here you have multiple exit points and continued exposure to industry. The work experience increases your chances of landing a job. You may also find innovative, trendy and new areas of expertise that match with your interests and job aspirations.



**Q.1 What is the total time duration for Bachelor of Vocational Education?**

**A. The Bachelor of Vocational Education is for a total of three years.**

**Q.2 What is the eligibility criteria for admission into Bachelor of Vocational Education?**

**A. Students must fulfil the following eligibility criteria: They have to pass 10+2 from a recognised board or university. Streams can be Science, Commerce and Arts.**

**Q.3 What is the B.Voc salary in India?**

**A. The salary package for B.Voc ranges from 2 LPA to 5 LPA for freshers, depending upon the job position offered.**

**Q.4 What is the scope of B.Voc in India?**

**A. B.Voc opens multiple doors for the students during and after the completion of the course. The course deals more with application-based studies rather than focusing on only theoretical knowledge.**

**Q.5 Can I leave B.Voc degree in between?**

**A. If a candidate is unable to complete the B.Voc course, they will still be awarded a diploma after successful completion of the first-year or an advanced diploma after successful completion of the second year.**

**Q.6 What after completing BVoc?**

**A. Students could go for a Master's Degree in vocational education after completing BVoc. Students can also apply for Direct Second Year Engineering in Degree.**

**Q.7 Is B.Voc equivalent to graduation?**

**A. Yes, vocational degrees are considered equivalent to other bachelor's degrees offered. They can pursue any course thereafter where the eligibility requirement is a bachelor's qualification.**