



TATA INSTITUTE OF SOCIAL SCIENCES

School of Vocational Education, Mumbai

(Deemed to be a University under Sec. 3 of UGC Act, 1956)

Approved Training Hub Partner



DECCAN MANAGEMENT CONSULTANTS FINISHING SCHOOL

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B.VOC. (AUTOMOTIVE MANUFACTURING TECHNOLOGY)

Course Structure

Certification Level

The certification levels will lead to Diploma / Advanced Diploma / B. Voc. Degree in Automotive Manufacturing Technology and will be offered under the aegis of the TISS. This is out-lined in the Table below:

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

The approach adopted by TISS-SVE it's called the Work Integrated Training programme (WITP). The aim is to enable the students to learn the skill by engaging in on-the-job training at real shop floor of the industry/company along with classroom theoretical training.

Eligibility for Admission

The eligibility Condition for admission to B. Voc. Programme in Production Technology shall . Be 10+2 or equivalent.

Course Structure

The Vocational course is a three year program consists a combination of Practical, Theory and Generic (provided by TISS) courses. The three year program will be divided into 6 semesters; 2 semesters per year. 1st year will be a Diploma, 2nd year will be Advance Diploma & 3rd year will be a Degree.

Credits Distribution

The credits distribution as suggested by UGC for each of three years is as follows:

NSQF Level	Skill Component Credits	General Education Credits	Normal Calendar Duration	Exit Points / Awards
Year 3	36	26	6 Semesters	B. Voc.
Year 2	36	24	4 Semesters	Advanced Diploma
Year 1	36	24	2 Semesters	Diploma
Total	108	74		

Semester Wise Distribution of Credit

The Semester Wise Distribution of Credit as suggested by UGC for each of three years is as follows:

Semester	Vocational				General Education		Total Hours
	Theory		Practical				
	Credits	Hours	Credits	Hours	Credits	Hours	
Semester-1	6	90	12	360	12	180	630
Semester-2	6	90	12	360	12	180	630
Semester-3	6	90	12	360	12	180	630
Semester-4	6	90	12	360	12	180	630
Semester-5	6	90	12	360	12	180	645
Semester-6	6	90	12	360	12	180	645
Total	36	540	72	2160	74	1110	3810

Theory : 1 Credit = 15 Hours, **Practical** : 1 Credit = 30 Hours

Semester Wise Curriculum

Year I

Semester I			Semester II		
Code	Course Title	Credits	Code	Course Title	Credits
AM 1.1	Engineering Drawing - I	2	AM 1.2	Engineering Drawing - II	2
AM 2.1	Automobile Engineering	2	AM 4.1	Manufacturing Technology - Basics	2
AM 3.1	Engineering Materials	2	AM 5.1	Engineering Mechanics	2
GE 1.1	Functional English - I	6	GE 4.1	Communication Skills - I	6
GE 2.1	Personal grooming	2	GE 3.2	Computing skills course - II	6
GE 3.1	Computing Skills Course - I	4	AMP 2	Vocational Practical	12
AMP 1	Vocational Practical	12			

Year II

Semester III			Semester IV		
Code	Course Title	Credits	Code	Course Title	Credits
AM 4.2	Manufacturing Technology - Advanced	2	AM 8.1	Manufacturing Processes	2
AM 6.1	Shop Floor Practices - I	2	AM 6.2	Shop Floor Practices - II	2
AM 7.1	Quality Management - I	2	AM 7.2	Quality Management - II	2
GE 5.1	Financial Literacy	4	GE 1.2	Functional English II	6
GE 6.1	Digital Literacy	4	GE 8.1	Basics of Accounting	6
GE 7.1	Basics of Legal and HR Policies	4	AMP 4	Vocational Practical	12
AMP 3	Vocational Practical	12			

Year III

Semester V			Semester VI		
Code	Course Title	Credits	Code	Course Title	Credits
AM 9.1	Tool Engineering	2	AM 12.1	Mechatronics	2
AM 10.1	Production Technology	2	AM 13.1	Total Quality Management & Total	2
AM 11.1	Elective Subject - I	2		Productive Maintenance	
GE 4.2	Communication Skills - II	6	AM 11.2	Elective Subject - II	2
GE 9.1	Health and Fitness	2	GE 11.1	Entrepreneurship	6
GE 10.1	Basics of Economics and Markets	4	GE 12.1	Employment Readiness	6
AMP 5	Vocational Practical	12	AMP 6	Vocational Practical	12