

# B.VOC IN AUTOMOTIVE MANUFACTURING



## Program Brief:

India is the largest 2 wheeler industry in the world and 4th largest in passenger vehicles. Overall domestic automobiles sales increased at 7.01 per cent CAGR between FY13-18 with 24.97 million vehicles getting sold in FY18. The industrial manufacturing sector which includes automotive manufacturing share to the gross domestic product (GDP) is poised to grow 25 % by 2022, from the current 16 %, and to create 100 million new jobs by 2022 in the manufacturing sector.

B.Voc in Automotive Manufacturing aims to address the ever-growing need of skilled manpower in the automotive manufacturing sector particularly in the auto component assembly & sub assembly, tool & die making, CNC machining, TIG Welding, MIG Welding and Spot Welding. Trainees shall have access to working with advanced materials, composites, design tools and welding quality testing. Trainees shall be abreast with industrial best practices on industrial occupational health and safety, total quality management and other aspects of plant operations. Adequate emphasis is laid on holistic 360 degree personality development through communication skills, soft skills, yoga, grooming and mentoring.

## Program Model and training methodology:

- The curriculum are aligned to Qualification Packs (QPs) / National Occupational Standards (NOSs) of selected job role(s) of Automotive Skills Development Council.
- The program emphasise more on "learning by doing" with 70% weightage is given on hands on training during classrooms training and "Earn -while-Learn" stipendiary On the Job Training (SOJT) at partner industries.
- Trainees shall spend 6-8 months in a year with partner industries under the contractual employment or apprentice models like National Apprenticeship Promotion Scheme (NAPS)/ National Employment Enhancement Mission (NEEM) programs launched by Government of India.
- Trainees shall also undergo extensive training on 360 degree personality development through communication skills, soft skills, yoga, grooming and mentoring.
- Trainees shall have access to the online cloud hosted Seacom Skill University learning management system (LMS) containing all recorded lectures, notes and reference resources. Trainees can take up online internal assessments and submit internal assignments for evaluation.

## Flexible learning plan:

- The University Grants Commission (UGC) had launched the B.Voc scheme on 27 February, 2014 for skills development based higher education as part of college/university education, leading to Bachelor of Vocation (B.Voc) degree with multiple entry and exit points. B.Voc. Program has been promulgated by the UGC as per National Skill Qualification Framework (NSQF) of Ministry of Skill Development emphasizing on skill based education in consultation with National Skills Development Corporation (NSDC).
- Trainees successfully completing 6 months program (Semester-I) shall be awarded with Certificate.
- Trainees successfully completing 1 year program (Semester-I & II) shall be awarded with Diploma .
- Trainees successfully completing 2 years program (Semester-I , II,III,IV) shall be awarded with Advanced Diploma .
- Trainees successfully completing 2 years program (Semester-I , II,III,IV) shall be awarded with B.Voc Degree
- Trainees can have career progression through M.Voc and Doctoral programs in Vocational Skills.



## Program Highlights :

- Dual education mode with Focus on acquiring Skills and Industry orientation
- Minimum 6-8 months of OJT at partner industries
- Earn –while-Learn
- Excellence employment opportunity and Career Enhancement
- 100% guaranteed Employment /Self Employment/ Apprenticeship
- Online learning management system
- Flexible Entry-Exit
- Skill Partner : Automotive Skills Development Council

## Eligibility Criteria:

- 10+2 or
- 10th plus (2 or 3 years) Diploma or
- 10th + ITI (minimum 2 years) with 2 subjects(1 Language & 1 Academic) passed from any recognised board
- Or any other equivalent course

## Program Structure :

SEM	Subject/QP
SEM-I (30 Credits)	English Language , Comprehension and behavioural skills
	Environmental Science
	Welding and Quality (ASC/Q3109)
	Lathe Operations (ASC/Q1901)
	Industrial Internship/OJT-Soldering and Brazing (ASC/Q4201) or Parts Picking for assembly /sub assembly (ASC/Q6103)
SEM-II (30 Credits)	Industrial Internship/OJT-Welding Technologies (ASC/Q3103)
	Industrial Internship/OJT-Auto Component Assembly (ASC/Q3701)
	Industrial Occupational Health and Safety Total Quality Management Grooming and Personality Development
SEM-III (30 Credits)	Advanced Communication skills and soft skills
	CNC Operations (ASC/Q3501)
	Machine shop supervision (ASC/Q3505)
	PC Fundamentals & MS Office
	Press Shop Operations (ASC/Q3402)
SEM-IV (30 Credits)	Industrial Internship/OJT-CNC Operators (ASC/Q3503)
	Industrial Internship/OJT-Tool Room Supervision (ASC/Q4102)
	Industrial Internship/OJT-Inventory Management
SEM-V (30 Credits)	Industrial Automation (ASC/Q6807)
	Supply chain Management & Supplier Quality compliance (ASC/Q6302)
	Industrial Internship/OJT-Casting and Sand Moulding (ASC/Q3205)
SEM-VI (30 Credits)	Industrial Internship/OJT-Assembly Line operations
	Industrial Internship/OJT-Forging Operations
	Industrial Internship/OJT-TQM
	Industrial Internship/OJT -Human Resources Management and Production planning and control

## Placement opportunities:

Distil Reinforcing Skills has established excellent industry collaborations with over 50 leading Indian and foreign renewable energy organisations in India and offers 100% assured Employment /Self Employment/ Apprenticeship with Rs.7000-15000 monthly stipend/emoluments.

