



ESTD : 1906



PIMPRI CHINCHWAD EDUCATION TRUST  
A Trusted Brand in Education Since 1990..

Engineering Education through Modern Pedagogical Approach

Located in the Industry Hub of Talegaon MIDC with over 200+ MNCs like GM, Mercedes Benz, JCB, TetraPak and Close to Hinjewadi, Bhosari, Pimpri Chinchwad MIDCs

NUTAN MAHARASHTRA VIDYA PRASARAK MANDAL'S

## NUTAN COLLEGE OF ENGINEERING & RESEARCH (NCER)

affiliated Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere  
Under Administrative Support of Pimpri Chinchwad Education Trust (PCET)

ISO 21001:2018 (EOMS) in Certified

Approved by All India Council for Technical Education (AICTE) - New Delhi,  
Affiliated to Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere

## Bachelor of Vocational Program (B.Voc.)

Three Years Skill Based Degree Program

Approved by AICTE - New Delhi & Govt. of Maharashtra, DTE Mumbai Affiliated to

Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere

NSQF Level - 7, Three Years Graduation Program with Multiple Entry / Exit Options

**Total Intake 150**

**Eligibility : 12th Passed with any Stream  
(Science, Commerce, Arts) or 10th + 2 Years ITI.**

### B.VOC. PROGRAM (Under DBATU)

Sr.no	Program	Intake
1)	Automobile servicing	30
2)	Automotive mechatronics	30
3)	Electronics and manufacturing services	30
4)	Foundry Technology	30
5)	Welding Technology	30

### Multiple Entry / Exit Options

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

### Why B.VOC Program

- 100% On Job Training in Company from day one.
- 60% On Job Training in Industry and 40% Theory in College.
- B.Voc. Degree is Equivalent to any other bachelor degree granted by UGC/ AICTE/ University.
- After Completion of 1st Year B.Voc Program Students are eligible for Direct 2nd Year Engineering Admission.
- Stipend during on job training on merit basis.
- Credit based program with Multiple ENTRY and Multiple EXIT option.
- B.Voc Degree holder is eligible for all state/central government examinations/jobs and Higher Studies.
- If a candidate is unable to complete B. Voc program, student is still awarded a certificate of diploma after successful completion of the first year or an advance diploma after successful completion of the second year.
- NSQF Level certificates will be provided during the program.

**More than 140 Companies Connected  
with PCET & NMVPM for B.Voc.**

## Year 1

## Semester I

Sr.no	Theory
01	Motor Vehicle Technology -II
02	Automobile Electrical Equipment
03	Two and Three-Wheeler
04	Modern Electric & Hybrid Vehicles

Sr.no	LAB/PRACTICAL
01	Metrology and Measuring Instruments -Lab
02	Electric & Hybrid Vehicles -Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Automotive Service Technician Level 5 (ASC/Q 1403)
02	Spare Parts Operations Executive Level 5 (ASC/Q 1502)
03	Industrial Engineer (Layout Design) (ASC/Q6401)
04	Tool Designer (ASC/Q4001)
05	Equipment Designer L5 (ASC/Q 6405)

## Semester II

Sr.no	Theory
01	Industrial Management
02	Total Quality Management
03	Entrepreneurship
04	Garage Organization & Transport Management

Sr.no	LAB/PRACTICAL
01	Project

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Automotive Service Technician Level 5 (ASC/Q 1403)
02	Spare Parts Operations Executive Level 5 (ASC/Q 1502)
03	Industrial Engineer (Layout Design) (ASC/Q6401)
04	Tool Designer (ASC/Q4001)
05	Equipment Designer L5 (ASC/Q 6405)

## Year 2

## Semester III

Sr.no	Theory
01	Automobile Electrical System
02	Automobile Drawing & Design
03	Automobile Engine Systems
04	Auto Body Repair, Denting & Painting

Sr.no	LAB/PRACTICAL
01	Automobile Workshop - I
02	Auto Body Repair, Denting & Painting Workshop

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Automotive Service Technician Level 6 (ASC/Q1404)
02	Automation Specialist (ASC/Q6807)
03	Assembly Line Machine Setter (ASC/Q3603)
04	Process Design Engineer (ASC/Q6404)
05	Quality Controller (ASC/Q1605)

## Semester IV

Sr.no	Theory
01	Automobile Engine Systems
02	Automotive Refrigeration and Air Conditioning
03	Vehicle Performance and Testing
04	Electrical & Hybrid Vehicles - II

Sr.no	LAB/PRACTICAL
01	Automotive RAC Lab
02	Vehicle Performance and Testing Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Automotive Service Technician Level 6 (ASC/Q1404)
02	Automation Specialist (ASC/Q6807)
03	Assembly Line Machine Setter (ASC/Q3603)
04	Process Design Engineer (ASC/Q6404)
05	Quality Controller (ASC/Q1605)

**Year 3****Semester V**

Sr.no	Theory
01	Automotive System Design
02	Alternative Fuel & Emission Control
03	Automobile Maintenance Service & Repairs -I
04	Auto NVH - I

Sr.no	LAB/PRACTICAL
01	Automobile Workshop - II
02	Design of Automotive Systems Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Spare Parts Operations In charge (ASC/Q1503)
02	Body Shop In-Charge (ASC/Q1413)
03	Service Supervisor (ASC/Q1412)
04	Testing Manager (ASC/Q8405)
05	Product Design Manager L7 (ASC/Q8103)

**Semester VI**

Sr.no	Theory
01	Automobile Maintenance Service & Repairs - II
02	Auto NVH - II
03	Off-road Vehicles

Sr.no	LAB/PRACTICAL
01	Project

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Spare Parts Operations In charge (ASC/Q1503)
02	Body Shop In-Charge (ASC/Q1413)
03	Service Supervisor (ASC/Q1412)
04	Testing Manager (ASC/Q8405)
05	Product Design Manager L7 (ASC/Q8103)

**Awards to Institute****How To Apply**

**Contact No : +91 9518 38 6161 / 7424 06 0708**

**Email : nutanskills@gmail.com / contact@ncerpune.in,**

**Website : www.ncerpune.in**

NUTAN MAHARASHTRA VIDYA PRASARAK MANDAL's

# **NUTAN COLLEGE OF ENGINEERING & RESEARCH (NCER)**

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Tal- Maval, Dist-Pune - 410507 Maharastra**