







PIMPRI CHINCHWAD EDUCATION TRUST'S (PCET'S) & NUTAN MAHARASHTRA VIDYA PRASARAK MANDAL'S (NMVPM'S)

NUTAN MAHARASHTRA INSTITUTE OF ENGINEERING & TECHNOLOGY (NMIET) TALEGAON DABHADE, PUNE 410507 Bachelor of Vocational Program (B.Voc.)

Three Years Skill Based Degree Program

Approved by AICTE - New Delhi & Govt. of Maharashtra, DTE Mumbai Affiliated to Savitribai Phule University (SPPU), Pune

B.VOC. PROGRAM (Under SPPU)

NSQF Level - 7, Three Years Graduation Program

Sr.nc	Program	Intake	Mult	tiple Entry /	Exit Options	5
01	Graphics & Multimedia	30	Award	Diploma	Advanced	B.Voc
02	Automotive Manufacturing Technology	30		-	Diploma	Degree
03	Software Development	30	Duration	1 Year	2 Year	3 Year
04	Refrigeration & Air Conditioning	30	NSQF Level	5	6	7

Eligibility

First Year B.Voc^{*} = 12th Passed with any Stream (Science, Commerce, Arts) or 10th + 2 Years ITI or 3 Year Diploma after 10th or 2 Year Diploma after 12th

NSQF Level 4 in respective subject

Why B.VOC Program

- + 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 Stuents 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.

Second Year B.Voc* = 3 Year Diploma after 10th or 2 Year Diploma after 12th in related branch

NSQF Level 5 in respective subject

Third Year B.Voc* =

```
NSQF Level 6 in respective subject
```

(*as per AICTE/SPPU guidelines)

- 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.



Graphics & Multimedia

Intake -30

Year 1

Semester I

Sr.no	Theory
01	Web Applications
02	Communication Skill-I
03	Graphic Design
	(Basic Sketching and Human Anatomy in
	Drawing)
04	Illustration And Photo-Editing
Sr.no	LAB/PRACTICAL
01	Web Applications -Lab
01 02	
•-	Web Applications -Lab
02	Web Applications -Lab Illustration And Photo-Editing -Lab
•-	Web Applications -Lab

- 02 Storyboard Artist MES/Q0507
- 03 Editor MES/Q1401

Year 2

Semester III

Theory
Principles of Animation and Techniques
of Animation
Basic of 3-D Modelling
Texture and Lighting
Communication Skill-III

Sr.no	LAB/PRACTICAL
01	Digital Animation with Flash - Lab
02	Maya - Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Modeller MES/Q2501
02	Animator MES/Q0701
03	Rendering Artist MES/Q3503

Year 3

Semester V

Sr.no	Theory
01	Digital Compositing
02	3 D Texturing
03	Basic of Accounts-I
04	Computer Graphics

Sr.no	Lab/practical
01	Digital Compositing-Lab
02	3 D Texturing -Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Compositor MES/Q3505
02	Texturing Artist MES/Q2503
03	Rigging Artist MES/Q2502

Semester II

Sr.no	Theory
01	Pre-Production
02	Audio Editing
03	Video Editing
04	Communication Skill- II

Sr.no	LAB/PRACTICAL
01	Audio Editing-lab
02	Video Editing-lab
Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	One more QJT from Semester I

Semester IV

Sr.no	Theory
01	3 D Animation
02	Introduction to 3 D Motion Graphics & VFX
03	Introduction to Rendering
04	Communication Skill-IV

Sr.no	LAB/PRACTICAL
01	3 D Animation Lab
02	Rendering-Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	One more QJT from Semester I

Semester VI

Sr.no	Theory
01	Muscle System
02	Rigging
03	Advanced Modelling with Z - Brush

04 Basics of Accounts-II

Sr.no	LAB/PRACTICAL
01	Maya Muscle - Lab
02	Rigging with Maya Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	One more QJT from Semester V

Automotive Manufacturing Technology

Intake -30

Vear 1 Semester I Semester II Sr.no Theory 1 Motor Welcle Technology -II 1 Q1 Automobile Electrical Equipment 1 1 Magement Q3 Automobile Electrical Equipment 1 1 Magement 1 Q3 Modern Electrical Shybrid Vehicles 01 Project 01 Project Sr.no CLE/PRACTICAL 01 Project 01 Project Q1 Automobile Electrical System 01 Tool Designer 03 01 Fronto Designer 03 01 Tool Designer 03 01 Automobile Electrical System 01 Automobile Engines 02 Automobile Engines 02 Automobile Engines 02 Automobile Engines 01 Automobile Engines 02 Automobile Engines 02 Automobile Engines 02 Automobile Engines 02 02				
01 Motor Vehicle Technology -II 01 Industrial Management 02 Automobile Electrical Equipment 02 Total Quality Management 03 Two and Three Wheeler 03 Entrepreneurship 04 Modern Electric & Hybrid Vehicles 04 Rapid Prototyping & Reverse Engg. 01 Matrology And Measuring Instruments 01 Project 02 Electric And Hybrid Vehicles - Lab 01 Project 01 Automotive Service Technician 01 Tool Designer 02 Spare Parts Operations Executive 03 One more QJT from Semester I 01 Automobile Eraving & Design 03 Automobile Engine Systems 02 Automobile Engines 01 Automobile Engine Systems 03 Automobile Braving & Design 03 Vehicle Performance and Testing 04 Mass Production Devices Sr.no LAB/PRACTICAL 01 03 Automobile Ming Lab Sr.no LAB/PRACTICAL 01 Automobile Workshop - 1 03 Automobile Workshop - 1 01 Automotive RAC Lab 01 Process Design Engineer 03 <th>Year 1</th> <th>Semester I</th> <th></th> <th>Semester II</th>	Year 1	Semester I		Semester II
01 Motor Vehicle Technology -II 01 Industrial Management 02 Automobile Electrical Equipment 02 Total Quality Management 03 Two and Three Wheeler 03 Entrepreneurship 04 Modern Electric 6 Hybrid Vehicles 04 Rapid Prototyping 8 Reverse Engg. 01 Metrology And Measuring Instruments 01 Fr.no LAB/PRACTICAL 01 01 Metrology And Measuring Instruments 01 Fr.no LAB/PRACTICAL 01 02 Electric And Hybrid Vehicles - Lab 01 Project 01 Automobile Electrical Equipment Designer 03 Spare Parts Operations Executive 03 One more QJT from Semester I 03 Automobile Engines (Layout Design 03 Automobile Engine Systems 03 Automobile Brayning 8 Design 03 Automobile Brayning 9 Design 03 Automobile Brayning 9 Design 03 Automobile Brayning 9 Design 03 Automobile Workshop - I 01 Automobile Workshop - I 03 Automobile Workshop - I 01 Automotive RAC Lab 04 Automobile Workshop - I 01	Sr.no	Theory	Sr.no	Theory
02 Automobile Electrical Equipment 03 Total Quality Management 03 Two and Three Wheeler 04 Rapid Prototyping 8 Reverse Engg. 04 Modern Electric 8 Hybrid Vehicles 04 Rapid Prototyping 8 Reverse Engg. 01 Metrology And Measuring Instruments 01 Project 02 Sr.no CN-JOB-TRAINING (OJT) (ANY ONE) 01 03 Industrial Engineer (Layout Design) 01 Tool Designer 03 Spare Parts Operations Executive 01 Tool Designer 03 Automobile Electrical System 02 Equipment Designer 04 Mass Production Devices Sr.no CMS/PRACTICAL 01 Automobile Electrical System 02 Automobile Engines Systems 02 Automobile Electrical System 02 Automobile Engines Systems 03 Automobile Workshop - 1 01 Automotive RAC Lab 04 Mass Production Devices Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) 01 Automobile Workshop - 1 01 Automotive RAC Lab 02 Tool 8 Die Making Lab Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) 01 Automotive Service Technician 02 Quality Controller 02 Automotive System Design				
03 Two and Three Wheeler 03 Entrepreneurship 04 Modern Electric & Hybrid Vehicles 04 Rapid Prototyping & Reverse Engg. 04 Metrology And Measuring Instruments 01 Project 01 Metrology And Measuring Instruments 01 Project 02 Electric And Hybrid Vehicles - Lab 01 Project 01 Automotive Service Technician 01 Fold Designer 02 Sare Parts Operations Executive 01 Fold Designer 03 Entrepreneurship 01 Fold Designer 03 Entrepreneurship 01 Project	02		02	
Sr.no LAB/PRACTICAL 01 Metrology And Measuring Instruments 02 Electric And Hybrid Vehicles - Lab Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) 01 Automotive Service Technician 02 Spare Parts Operations Executive 03 Industrial Engineer (Layout Design) Vear 2 Semester III Sr.no Industrial Engineer (Layout Design) 01 Automobile Electrical System 02 Automobile Electrical System 03 Automobile Electrical System 04 Mass Production Devices 04 Mass Production Devices Sr.no LAB/PRACTICAL 01 Automobile Vorkshop - I 02 Tool & Die Making Lab Sr.no IAB/PRACTICAL Sr.no IAB/PRACTICAL 01 Automobile Vorkshop - I 02 Tool & Die Making Lab Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) Sr.no IAB/PRACTICAL 02 Automotive Service Technician 03 Assembly Line Machine Setter 03 Chautatina Engines Setter V <td>03</td> <td>Two and Three Wheeler</td> <td>03</td> <td></td>	03	Two and Three Wheeler	03	
01 Metrology And Measuring Instruments 02 Electric And Hybrid Vehicles - Lab 01 Automotive Service Technician 01 Automotive Service Technician 02 Spare Parts Operations Executive 03 Industrial Engineer (Layout Design) 01 Automobile Electrical System 02 Semester III Semester II Semester IV Sr.no Theory 01 Automobile Engines 02 Automobile Engines 03 Automobile Engines 04 Mass Production Devices Sr.no LAB/PRACTICAL 01 Automobile Service Technician 02 Tool & Die Making Lab Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) 01 Automobile System Collisit 02 Tool & Die Making Lab Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) 01 Automotive Rave System Collisit 02 Automotive System Design 03 Assembly Line Machine Setter Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) 01 Automotive System Design	04	Modern Electric & Hybrid Vehicles	04	
02 Electric And Hybrid Vehicles - Lab Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) 01 Automotive Service Technician 02 Spare Parts Operations Executive 03 Industrial Engineer (Layout Design) Vear 2 Semester III Sr.no Theory 01 Automobile Engines System 02 Automobile Engines (Layout Design) OA Automobile Engines Systems OA Automobile Engines Systems OA Automobile Engines Systems OA Automobile Engines Systems OA Mass Production Devices Sr.no LAB/PRACTICAL OI Automotive Service Technician O2 Automotive Service Technician	Sr.no	LAB/PRACTICAL	Sr.no	LAB/PRACTICAL
01 Automotive Service Technician 01 Tool Designer 02 Spare Parts Operations Executive 02 Equipment Designer 03 Industrial Engineer (Layout Design) 03 One more QJT from Semester I Vear 2 Semester III Semester IV Variation 2 Semester III Semester IV 01 Automobile Electrical System 02 Automobile Engine Systems 03 Automobile Drawing 6 Design 03 Vehicle Performance and Testing 04 Mass Production Devices Sr.no LAB/PRACTICAL 01 Automobile Workshop - 1 02 Vehicle Performance and Testing Lab Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) 01 Automotive Service Technician 02 Automotive Service Technician 02 Oulaity Controller 03 Automotive System Design 01 Process Design Engineer 04 CAD & S CAM Lab Sr.no N-JOB-TRAINING (OJT) (ANY ONE) 01 Automotive System Design 01 Process Design Engineer 02 Automotive System Design 01 Vehicle Safety 02 Design of Automo			01	Project
02 Spare Parts Operations Executive Industrial Engineer (Layout Design) 02 Equipment Designer 03 One more QJT from Semester I 03 Industrial Engineer (Layout Design) 03 One more QJT from Semester I Vear 2 Semester III Semester IV Str.no Theory 01 Automobile Electrical System 02 Automobile Engines 04 Automobile Engines 04 Mass Production Devices 04 Electrical & Hybrid Vehicles - II 01 Automobile Workshop - I 02 Automotive RAC Lab 02 Tool & Die Making Lab Str.no LAB/PRACTICAL 01 Automotive Service Technician 02 One more QJT from Semester III 01 Automotive Service Technician 02 One more QJT from Semester III 01 Automotive System Design 01 Process Design Engineer 02 Automotive System Design 01 Vehicle Safety 03 Industrial Eng. & Safety Eng. 01 Vehicle Safety 04 CAD & CAD & CAM Sr.no LAB/PRACTICAL 01 Automotive System Design 01 Vehicle Safety </td <td>Sr.no</td> <td>ON-JOB-TRAINING (OJT) (ANY ONE)</td> <td>Sr.no</td> <td>ON-JOB-TRAINING (OJT) (ANY ONE)</td>	Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)	Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
03 Industrial Engineer (Layout Design) 03 One more QJT from Semester I Vear 2 Semester III Semester IV Sr.no Theory 01 Automobile Electrical System 01 Automobile Engine Systems 02 Automobile Engine Systems 03 Automobile Engine Systems 02 Automobile Engine Systems 04 Mass Production Devices 04 Electrical & Hybrid Vehicles - II 01 Automobile Workshop - I 02 Vehicle Performance and Testing 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 02 Tool & Die Making Lab 01 Process Design Engineer 02 02 Automotive Service Technician 01 Process Design Engineer 02 02 Automotive System Design 01 Process Design Engineer 02 03 Industrial Eng. & Safety Eng. 01 Vehicle Safety 03 04 CAD & CAD & CAM Sr.no Theory 01 Vehicle Safety 03 Industrial Eng. & Safety Eng. 01 Vehicle Safety 03 Production Planning & Control	01		01	Tool Designer
Year 2 Semester III Semester IV Sr.no Theory 01 Automobile Electrical System 02 Automobile Engines 02 Automobile Engines 03 Automobile Engines 02 Automobile Engines 04 Mass Production Devices 01 Automobile Performance and Testing 04 Mass Production Devices 01 Automobile Workshop - 1 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 Tool & Die Making Lab 01 Process Design Engineer 02 Automotive Service Technician 02 Quilty Controller 03 Assembly Line Machine Setter 01 Process Design Engineer 02 Automotive System Design 01 Process Design Engineer 03 Industrial Eng. 9. Safety Eng. 01 Product Inaning & Control 04 EAB/PRACTICAL 01 Project			02	Equipment Designer
Sr.no Theory Sr.no Theory 01 Automobile Electrical System 01 Automobile Engine Systems 03 Automobile Engines 02 Automobile Engine Systems 04 Mass Production Devices 02 Automobile Engine Systems 04 Mass Production Devices 04 Electrical & Hybrid Vehicles - II 01 Automobile Workshop - 1 02 Tool & Die Making Lab 02 Tool & Die Making Lab Sr.no LAB/PRACTICAL 01 Automotive Service Technician 02 Vehicle Performance and Testing Lab 01 Automotive Service Technician 02 Vehicle Performance and Testing Lab 01 Automotive Service Technician 02 Vehicle Performance and Testing Lab 01 Automotive Service Technician 02 Vehicle Performance and Testing Lab 01 Automotive Service Technician 03 One more QJT from Semester III 01 Automotive System Design 01 Process Design Engineer 02 Plant Layout & Product Handling 01 Vehicle Safety 02 Plant Layout & Safety Engg. 01 Vehicle Sa	03	Industrial Engineer (Layout Design)	03	One more QJT from Semester I
01 Automobile Engine Systems 02 Automobile Drawing & Design 03 Automobile Engines 04 Mass Production Devices 01 Automobile Engines 02 Automobile Engines 04 Mass Production Devices 05 Automobile Workshop - I 02 Tool & Die Making Lab 01 Automobile Production RAC Lab 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 Vehicle Performance and Testing Lab Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) 01 Automotive Service Technician 02 Automotive Service Technician 03 Assembly Line Machine Setter 01 Automotive Service Technician 02 Quality Controller 03 Assembly Line Machine Setter 01 Automotive System Design 02 Plant Layout & Product Handling 03	Year 2	Semester III		Semester IV
01 Automobile Engine Systems 02 Automobile Drawing & Design 03 Automobile Engines 04 Mass Production Devices 05 Automobile Engines 04 Mass Production Devices 05 Automobile Engines 04 Mass Production Devices 05 Automobile Workshop - I 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 Vehicle Performance and Testing Lab Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) 01 Automotive Service Technician 02 Automotive Service Technician 03 Assembly Line Machine Setter 01 Automotive System Design 02 Plant Layout & Product Handling 03 Industrial Eng. & Safety Eng. 04 CAD & CAM 02 Design of Automot	Srno	Theory	Srno	Theory
02 Automobile Drawing & Design 03 03 Automobile Engines 03 Vehicle Performance and Testing 04 Mass Production Devices 04 Electrical & Hybrid Vehicles - II 01 Automobile Workshop - I 02 Vehicle Performance and Testing 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 Tool & Die Making Lab 01 Automotive RAC Lab 03 Vehicle Performance and Testing Lab 02 04 Mass Production Devices 01 Automotive RAC Lab 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 Vehicle Performance and Testing Lab 02 03 Automotive Service Technician 02 01 04 Automotive Service Technician 02 Ouality Controller 03 Assembly Line Machine Setter 03 One more QJT from Semester III Year 3 Semester V Sr.no Theory 01 Automotive System Design 02 Plant Layout & Product Handling 03 Industrial Eng. & Safety Eng.				
03 Automobile Engines 03 Vehicle Performance and Testing 04 Mass Production Devices 03 Vehicle Performance and Testing 04 Mass Production Devices 04 Electrical & Hybrid Vehicles - II 01 Automobile Workshop - I 01 Automotive RAC Lab 02 Tool & Die Making Lab 01 Automotive RAC Lab 02 Vehicle Performance and Testing Lab 02 Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) 01 Automotive RAC Lab 01 Automotive Service Technician 02 Vehicle Performance and Testing Lab Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) 01 Process Design Engineer 02 Ouality Controller 03 One more OJT from Semester III Vear 3 Semester V Semester VI Sr.no Theory 01 Vehicle Safety 02 Plant Layout & Product Handling 03 Production Planning & Control 03 Industrial Eng. & Safety Eng. 02 Agile & Lean Manufacturing System 03 Industrial Eng. & Safety Eng. 01 Production Planning & Control 04 CAD				
04 Mass Production Devices 04 Electrical δ Hybrid Vehicles - II 01 Automobile Workshop - I 01 Automobile Workshop - I 01 02 Tool δ Die Making Lab 01 Automotive RAC Lab 02 01 Automotive Service Technician 02 Vehicle Performance and Testing Lab 01 Automotive Service Technician 01 Process Design Engineer 02 Automation Specialist 01 Process Design Engineer 03 Assembly Line Machine Setter 01 Vehicle Safety 01 Automotive System Design 01 Vehicle Safety 02 Plant Layout θ Product Handling 01 Vehicle Safety 03 Industrial Engg. θ Safety Engg. 01 Vehicle Safety 04 CAD δ CAM 01 Project 01 CAD δ CAM Lab 01 Project 02 Design of Automotive Systems Lab Sr.no NAB/PRACTICAL 01 CAD δ CAM Lab 01 Project 02 Design of Automotive Systems Lab Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) 01 Spare Part				
Sr.noLAB/PRACTICAL01Automobile Workshop - I02Tool & Die Making Lab01Automobile Workshop - I02Tool & Die Making Lab01Automotive RAC Lab02Tool & Die Making Lab01Automotive Service Technician02Automation Specialist03Assembly Line Machine Setter03Assembly Line Machine Setter01Automotive System Design02Plant Layout & Product Handling03Industrial Engg. & Safety Engg.04CAD & CAMSr.noILB/PRACTICAL01CAD & CAM Lab02Design of Automotive Systems LabSr.noON-JOB-TRAINING (OJT) (ANY ONE)01Spare Parts Operations Incharge02Body Shop In-Charge03Spare Parts Operations Incharge02Product Design Manager		-		•
01Automobile Workshop - I01Automotive RAC Lab02Tool & Die Making Lab02Vehicle Performance and Testing LabSr.noON-JOB-TRAINING (OJT) (ANY ONE)Sr.noON-JOB-TRAINING (OJT) (ANY ONE)01Automotive Service Technician01Process Design Engineer02Automation Specialist01Process Design Engineer03Assembly Line Machine Setter03One more QJT from Semester IIIVear 3Semester VSemester VISr.noTheory01Automotive System Design01Automotive System Design01Vehicle Safety02Plant Layout & Product Handling03Productinal Engs. & Safety Engs.03Industrial Engs. & Safety Engs.03Production Planning & Control01CAD & CAMSr.noLAB/PRACTICAL01CAD & CAM Lab01Project02Design of Automotive Systems LabSr.noON-JOB-TRAINING (OJT) (ANY ONE)01Spare Parts Operations Incharge01Testing Manager02Body Shop In-Charge01Testing Manager03Spare Parts Operations Incharge02Product Design Manager				
02Tool & Die Making Lab02Vehicle Performance and Testing Lab01Automotive Service Technician01Process Design Engineer02Automation Specialist01Process Design Engineer03Assembly Line Machine Setter03One more QJT from Semester IIIYear 3Semester VSemester VISr.noTheory01Automotive System Design02Plant Layout & Product Handling03Industrial Engg. & Safety Engg.03Industrial Engg. & Safety Engg.03Production Planning & Control01CAD & CAMSr.noLAB/PRACTICAL0102Design of Automotive Systems LabSr.noON-JOB-TRAINING (OJT) (ANY ONE)01Spare Parts Operations Incharge02Product Design Manager02Body Shop In-Charge01Testing Manager02Product Design Manager01Testing Manager			Sr.no	
Sr.noON-JOB-TRAINING (OJT) (ANY ONE)01Automotive Service Technician02Automation Specialist03Assembly Line Machine Setter03Assembly Line Machine Setter04Semester VVear 3Semester VSr.noTheory01Automotive System Design02Plant Layout & Product Handling03Industrial Engg. & Safety Engg.04CAD & CAMSr.noLAB/PRACTICAL01CAD & CAM Lab02Design of Automotive Systems Lab03Spare Parts Operations Incharge04Spare Parts Operations Incharge02Body Shop In-Charge03Spare Manager04Spare Parts Operations Incharge01Testing Manager02Product Design Manager				
01 Automotive Service Technician 01 Process Design Engineer 02 Automation Specialist 02 Quality Controller 03 Assembly Line Machine Setter 03 One more QJT from Semester III Year 3 Semester V Semester V Semester VI Sr.no Theory 01 Automotive System Design 01 Vehicle Safety 02 Plant Layout & Product Handling 02 Agile & Lean Manufacturing System 03 Industrial Eng. & Safety Engg. 03 Production Planning & Control 04 CAD & CAM Sr.no LAB/PRACTICAL 01 01 CAD & CAM Lab 01 Project 02 Design of Automotive Systems Lab 01 Project 01 Spare Parts Operations Incharge 01 Testing Manager 02 Body Shop In-Charge 01 Testing Manager 02 Product Design Manager 02 Product Design Manager	02	Tool & Die Making Lab	02	Vehicle Performance and Testing Lab
01 Automotive Service Technician 01 Process Design Engineer 02 Automation Specialist 02 Quality Controller 03 Assembly Line Machine Setter 03 One more QJT from Semester III Year 3 Semester V Semester V Semester VI Sr.no Theory 01 Automotive System Design 01 Vehicle Safety 02 Plant Layout & Product Handling 02 Agile & Lean Manufacturing System 03 Industrial Eng. & Safety Engg. 03 Production Planning & Control 04 CAD & CAM Sr.no LAB/PRACTICAL 01 01 CAD & CAM Lab 01 Project 02 Design of Automotive Systems Lab 01 Project 01 Spare Parts Operations Incharge 01 Testing Manager 02 Body Shop In-Charge 01 Testing Manager 02 Product Design Manager 02 Product Design Manager	Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)	Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
03 Assembly Line Machine Setter 03 One more QJT from Semester III Year 3 Semester V Semester V Sr.no Theory 01 Automotive System Design 01 Vehicle Safety 02 Plant Layout & Product Handling 01 Vehicle Safety 03 Industrial Engg. & Safety Engg. 01 Vehicle Safety 04 CAD & CAM Control 03 Production Planning & Control Sr.no LAB/PRACTICAL Sr.no LAB/PRACTICAL 01 Project 02 Design of Automotive Systems Lab Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) ON-JOB-TRAINING (OJT) (ANY ONE) 01 Spare Parts Operations Incharge 01 Testing Manager 01 02 Body Shop In-Charge 02 Product Design Manager 02 Product Design Manager				
03 Assembly Line Machine Setter 03 One more QJT from Semester III Year 3 Semester V Semester V Sr.no Theory 01 Automotive System Design 01 Vehicle Safety 02 Plant Layout & Product Handling 03 Production Planning System 03 Industrial Engg. & Safety Engg. 03 Production Planning & Control 01 CAD & CAM Sr.no LAB/PRACTICAL 01 Project 02 Design of Automotive Systems Lab Sr.no LAB/PRACTICAL 01 Project 02 Design of Automotive Systems Lab Sr.no ON-JOB-TRAINING (OJT) (ANY ONE) ON-JOB-TRAINING (OJT) (ANY ONE) 01 Spare Parts Operations Incharge 01 Testing Manager 02 Product Design Manager 02 Body Shop In-Charge 02 Product Design Manager 02 Product Design Manager	02	Automation Specialist	02	
Sr.noTheorySr.noTheory01Automotive System Design01Vehicle Safety02Plant Layout & Product Handling02Agile & Lean Manufacturing System03Industrial Engg. & Safety Engg.03Production Planning & Control04CAD & CAMSr.noLAB/PRACTICAL01CAD & CAM Lab01Project02Design of Automotive Systems LabSr.noON-JOB-TRAINING (OJT) (ANY ONE)01Spare Parts Operations Incharge01Testing Manager02Body Shop In-Charge02Product Design Manager	03		03	
01Automotive System Design 0201Vehicle Safety 02Agile & Lean Manufacturing System 0303Industrial Engg. & Safety Engg. 0402Agile & Lean Manufacturing System 03Di04CAD & CAM03Production Planning & Control01CAD & CAMSr.noLAB/PRACTICAL 01O1Project02Design of Automotive Systems Lab01Project01Spare Parts Operations Incharge 	Year 3	Semester V		Semester VI
01Automotive System Design 0201Vehicle Safety 02Agile & Lean Manufacturing System 0303Industrial Engg. & Safety Engg. 0402Agile & Lean Manufacturing System 03Di04CAD & CAMO3Production Planning & Control01CAD & CAMSr.noLAB/PRACTICAL 01O1Project02Design of Automotive Systems LabO1Project01Spare Parts Operations Incharge 02O1Testing Manager 02O102Body Shop In-ChargeO2Product Design Manager				
02Plant Layout & Product Handling 0302Agile & Lean Manufacturing System 0303Industrial Engg. & Safety Engg. 0403Production Planning & Control04CAD & CAMSr.noLAB/PRACTICAL 010101CAD & CAM Lab 0201Project02Design of Automotive Systems LabSr.noON-JOB-TRAINING (OJT) (ANY ONE) 01Sr.no01Spare Parts Operations Incharge 0201Testing Manager 0202Body Shop In-Charge02Product Design Manager 02				
03Industrial Engg. & Safety Engg. 0403Production Planning & Control04CAD & CAM03Production Planning & ControlSr.noLAB/PRACTICAL 01Sr.noLAB/PRACTICAL 0101CAD & CAM Lab 0201Project02Design of Automotive Systems Lab01ProjectSr.noON-JOB-TRAINING (OJT) (ANY ONE) 01Sr.noON-JOB-TRAINING (OJT) (ANY ONE)01Spare Parts Operations Incharge 0201Testing Manager 0202Body Shop In-Charge02Product Design Manager				
04CAD & CAMSr.noLAB/PRACTICAL01CAD & CAM Lab02Design of Automotive Systems LabSr.noON-JOB-TRAINING (OJT) (ANY ONE)01Spare Parts Operations Incharge02Body Shop In-Charge01Testing Manager02Product Design Manager02Body Shop In-Charge03O1				
Sr.noLAB/PRACTICALSr.noLAB/PRACTICAL01CAD & CAM Lab01Project02Design of Automotive Systems Lab01ProjectSr.noON-JOB-TRAINING (OJT) (ANY ONE)Sr.noON-JOB-TRAINING (OJT) (ANY ONE)01Spare Parts Operations Incharge01Testing Manager02Body Shop In-Charge02Product Design Manager		55 7 55	03	Production Planning & Control
01CAD & CAM Lab01Project02Design of Automotive Systems Lab01ProjectSr.noON-JOB-TRAINING (OJT) (ANY ONE)Sr.noON-JOB-TRAINING (OJT) (ANY ONE)01Spare Parts Operations Incharge01Testing Manager02Body Shop In-Charge02Product Design Manager	04	CAD & CAM		
01CAD & CAM Lab01Project02Design of Automotive Systems Lab01ProjectSr.noON-JOB-TRAINING (OJT) (ANY ONE)Sr.noON-JOB-TRAINING (OJT) (ANY ONE)01Spare Parts Operations Incharge01Testing Manager02Body Shop In-Charge02Product Design Manager	Sr.no		Sr.no	
02Design of Automotive Systems LabSr.noON-JOB-TRAINING (OJT) (ANY ONE)01Spare Parts Operations Incharge02Body Shop In-Charge01O202Product Design Manager03O204O2		CAD & CAM Lab		
01Spare Parts Operations Incharge01Testing Manager02Body Shop In-Charge02Product Design Manager	02	Design of Automotive Systems Lab		
01Spare Parts Operations Incharge01Testing Manager02Body Shop In-Charge02Product Design Manager				
02 Body Shop In-Charge 02 Product Design Manager				
03 Service Supervisor 03 One more QJT from Semester V				
	03	Service Supervisor	03	One more QJT from Semester V

Year 1

Software Development

Intake -30

Se	me	est	ter	• I –

Sr.no	Theory
01	IT Foundation and Programming Concepts
02	Web Designing
03	Programming in C
04	Operating System (OS)
Cr. ma	

Sr.no	LAB/PRACTICAL
01	Web Designing Lab
02	C Programming Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Technical Writer
02	Infrastructure Engineer
03	Associate - CRM

Year 2

Semester III

Sr.no	Theory
01	Linux Operating System
02	Software Engineering
03	Web Development using PHP
04	Windows Development Fundamental

Sr.no	LAB/PRACTICAL
01	Web Development using PHP Lab
02	Window Development
	Fundamentals-Lab
Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
Sr.no 01	

03 Security Analyst

Year 3

Semester V

Sr.no	Theory
01	Technology Trends in IT
02	Window Mobile Application Development
03	Introduction to Python Programming
04	Introduction to Microprocessors

Sr.no	LAB/PRACTICAL
01	Window Mobile Application
	Development -lab
02	Python Programming Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Management Trainee
02	Associate - Transactional F&A
03	Consultant Network Security

-								-	-
S	ρ	m	е	S	t,	ρ	r		L
-	-		-	-	-	-	•	-	-

Sr.no	Theory
01	Data Structures
02	Concepts of Data Mining
03	OOPs with Java
04	Multimedia Tools & Applications
Srno	
Sr.no	
01	Data Structure Lab
01	Data Structure Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Web Developer
02	Test Engineer

Semester IV

Sr.no	Theory
01	Software Testing and Project Management
02	Android Application Development
03	Window Configuration and Server Administration
04	Management Information Systems

Sr.no	LAB/PRACTICAL
01	Android Application Development Lab
02	MIS Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	QA Engineer
02	Software Engineer

Semester VI

Sr.no	Theory
01	Introduction to AI
02	e-Commerce
03	Computer Network Security
04	Introduction to Biometrics

Sr.no	LAB/PRACTICAL
01	AI Lab
02	Computer Network Security Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)			
01	Master Trainer for Software			
	Developer			
02	Hardware Engineer			
	5			

Refrigeration & Air Conditioning

Intake -30

Year 1	Semester I		Semester II
Sr.no	Theory	Sr.no	Theory
01	Basics of Refrigeration	01	Industrial Management
02	Basics of Air Conditioning	02	Total Quality Management
03	Engineering Material	03	Entrepreneurship
04	Soldering & De-Soldering of Components	04	Refrigeration & Air Conditioning Applications
Sr.no	LAB/PRACTICAL	Sr.no	LAB/PRACTICAL
01	Metrology and Measuring Instruments	01	Project
02	Heat Transfer lab		
Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)	Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Field Technician- AC	01	One more QJT from Semester I
02	Field Technician- Refrigeration		
03	Field Engineer- RACW		
Year 2			
	Semester III		Semester IV
Sr.no	Theory	Sr.no	Theory
01	RAC Piping Systems - I	01	RAC Piping Systems - II
02	Refrigeration & Air-conditioning Material - I	02	Refrigeration & Air-conditioning Material - II
03	Refrigerants	03	RAC Maintenance - I
04	RAC Standards	04	RAC Installation Techniques - I
Sr.no	LAB/PRACTICAL	Sr.no	LAB/PRACTICAL
01	RAC Material Lab	01	RAC Systems Installation and its
02	RAC Systems Installation and its		Maintenance Lab2
	Maintenance Labl	02	RAC Piping Systems Lab
Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)	Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Safety Tester - RACWO	01	One more QJT from Semester III
02	Field Engineer - RACW		
03	Cold Storage Technician		
Year 3	Semester V		Semester VI
Sr.no	Theory	Cumo	Theorem
01	RAC Maintenance - II	Sr.no	Theory RAC Safety
02	RAC Installation Techniques - II	02	Process Planning and Cost
03	Automobile Air conditioning	01	Estimation
04	Non-conventional Refrigerating System		
Sr.no	LAB/PRACTICAL	Sr.no	LAB/PRACTICAL
01	Automobile AC Lab	01	
02	AC Components and Assembly Lab	01	Project Work
Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)	Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	AC Specialist - Automobile	01	One more QJT from Semester V
02	Assembly Operator		

PCET's & NUTAN's Central Training And Placement Cell

Placements Are Conducted Through Central Training And Placement Cell Of PCET & NUTAN Employment after B.VOC Courses

- Application Developer
- Software Developer
- UI Designer
- Graphics
 Designer
- Embedded Automotive
- MNC's
- Digital Marketing

- Digital Media
- Principle Design
- Strategist
- E-Commerce
- Finance Company
- Coloring Artist
- Quality Control
- IT Firms
- Drawing Artist
- Freelance Artist

- Software Tester
- Automobile Servicing
- RAC Repairs and Maintainance
- Coder
- Sales Officer
- Cold Storages
- Automobile
 Engineer
- Alogorithm

Designer

- Professor
- Automobile Engineer
- Design Engineer
- Illustrator
- Visual Artist
- Comic Book
 Designer
- Trend & Forecast Analyst



Khandge
AutomobilesDeepa
RefrigerationMass
TechnologiesTrishul Service
Station
Pvt.Ltd.Ani films
Institute
F.C. Road Pune

More than 140 Companies Connected with PCET & NMVPM

How To Apply

For details log on to : www.NMIET.edu.in | Call : 02114 - 231666

PIMPRI CHINCHWAD EDUCATION TRUST'S (PCET'S) & NUTAN MAHARASHTRA VIDYA PRASARAK MANDAL'S (NMVPM'S)

NUTAN MAHARASHTRA INSTITUTE OF ENGINEERING & TECHNOLOGY (NMIET) TALEGAON DABHADE, PUNE 410507

Address:- Samarth Vidya Sankul, Vishnupuri, Talegaon Dabhade, Pune-410507

🕓 +91 7424 080910

+91 7423 080910

🖂 pcet@nmiet.edu.in

O NMIETPune



in /nmietpune/