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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.no	Program	Intake
01	Graphics & Multimedia	30
02	Automotive Manufacturing Technology	30
03	Software Development	30
04	Refrigeration & Air Conditioning	30

Multiple Entry / Exit Options

Award	Diploma	Advanced Diploma	B.Voc Degree
Duration	1 Year	2 Year	3 Year
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

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)

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 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.

Awards to Institute



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
02	Illustration And Photo-Editing -Lab
Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Character Designer MES/Q0502
02	Storyboard Artist MES/Q0507
03	Editor MES/Q1401

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

Year 2

Semester III

Sr.no	Theory
01	Principles of Animation and Techniques of Animation
02	Basic of 3-D Modelling
03	Texture and Lighting
04	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

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

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 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

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
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)

Semester II

Sr.no	Theory
01	Industrial Management
02	Total Quality Management
03	Entrepreneurship
04	Rapid Prototyping & Reverse Engg.

Sr.no	LAB/PRACTICAL
01	Project

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Tool Designer
02	Equipment Designer
03	One more QJT from Semester I

Year 2

Semester III

Sr.no	Theory
01	Automobile Electrical System
02	Automobile Drawing & Design
03	Automobile Engines
04	Mass Production Devices

Sr.no	LAB/PRACTICAL
01	Automobile Workshop - I
02	Tool & Die Making Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Automotive Service Technician
02	Automation Specialist
03	Assembly Line Machine Setter

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	Process Design Engineer
02	Quality Controller
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 Engg. & Safety Engg.
04	CAD & CAM

Sr.no	LAB/PRACTICAL
01	CAD & CAM Lab
02	Design of Automotive Systems Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Spare Parts Operations Incharge
02	Body Shop In-Charge
03	Service Supervisor

Semester VI

Sr.no	Theory
01	Vehicle Safety
02	Agile & Lean Manufacturing System
03	Production Planning & Control

Sr.no	LAB/PRACTICAL
01	Project

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Testing Manager
02	Product Design Manager
03	One more QJT from Semester V

Year 1

Semester I

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

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

Semester II

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

Sr.no	LAB/PRACTICAL
01	Data Structure Lab
02	Java Lab

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

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)
01	Junior Data Associate
02	IP Executive
03	Security Analyst

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

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

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

Year 1

Semester I

Sr.no	Theory
01	Basics of Refrigeration
02	Basics of Air Conditioning
03	Engineering Material
04	Soldering & De-Soldering of Components

Sr.no	LAB/PRACTICAL
01	Metrology and Measuring Instruments
02	Heat Transfer lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Field Technician- AC
02	Field Technician- Refrigeration
03	Field Engineer- RACW

Semester II

Sr.no	Theory
01	Industrial Management
02	Total Quality Management
03	Entrepreneurship
04	Refrigeration & Air Conditioning Applications

Sr.no	LAB/PRACTICAL
01	Project

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

Year 2

Semester III

Sr.no	Theory
01	RAC Piping Systems - I
02	Refrigeration & Air-conditioning Material - I
03	Refrigerants
04	RAC Standards

Sr.no	LAB/PRACTICAL
01	RAC Material Lab
02	RAC Systems Installation and its Maintenance Lab1

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Safety Tester - RACWO
02	Field Engineer - RACW
03	Cold Storage Technician

Semester IV

Sr.no	Theory
01	RAC Piping Systems - II
02	Refrigeration & Air-conditioning Material - II
03	RAC Maintenance - I
04	RAC Installation Techniques - I

Sr.no	LAB/PRACTICAL
01	RAC Systems Installation and its Maintenance Lab2
02	RAC Piping Systems Lab

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

Year 3

Semester V

Sr.no	Theory
01	RAC Maintenance - II
02	RAC Installation Techniques - II
03	Automobile Air conditioning
04	Non-conventional Refrigerating System

Sr.no	LAB/PRACTICAL
01	Automobile AC Lab
02	AC Components and Assembly Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	AC Specialist - Automobile
02	Assembly Operator

Semester VI

Sr.no	Theory
01	RAC Safety
02	Process Planning and Cost Estimation

Sr.no	LAB/PRACTICAL
01	Project Work

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

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 | • Digital Media | • Software Tester | • Designer |
| • Software Developer | • Principle Design | • Automobile Servicing | • Professor |
| • UI Designer | • Strategist | • RAC Repairs and Maintainance | • Automobile Engineer |
| • Graphics Designer | • E-Commerce | • Coder | • Design Engineer |
| • Embedded Automotive | • Finance Company | • Sales Officer | • Illustrator |
| • MNC's | • Coloring Artist | • Cold Storages | • Visual Artist |
| • Digital Marketing | • Quality Control | • Automobile Engineer | • Comic Book Designer |
| | • IT Firms | • Alogorithm | • Trend & Forecast Analyst |
| | • Drawing Artist | | |
| | • Freelance Artist | | |

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